aiwa
SERVICE

CX-NHMT75 U

SERVICE MANUAL

COMPACT DISC STEREO
CASSETTE RECEIVER

BASIC TAPE MECHANISM : 2ZM-3 PR4NM
BASIC CD MECHANISM : AZG-1 ZR3RDM

aiwa

S/M Code No. 09-002-425-9T1

ELECTRICAL MAIN PARTS LIST - 1/8

NOTE: The characters in the suffix column indicate the part usage.

REF.NO	PARTS NO.	KANR NO.	DESCRIPTION	SUFFIX
C 606	87-010-112-040		CAP,E 100-16	A
C 608	87-010-178-080		CHIP CAP 1000P	A
C 601	87-010-186-080		CAP,CHIP 4700P	A
C 609	87-010-196-080		CHIP CAPACITOR,0.1-25	A
C 607	87-010-196-080		CHIP CAPACITOR,0.1-25	A
C 603	87-010-320-080		CHIP CAP 68P	A
C 602	87-010-405-040		CAP,E 10-50	A
C 604	87-010-546-040		CAP,E 0.33-50	A
C 621	87-010-178-080		CHIP CAP 1000P	A
C 652	87-010-183-080		C-CAP,S 2700P-50 B	A
C 653	87-010-213-080		C-CAP,S 0.015-50 B	A
FB 601	87-008-372-080		FILTER, EMI BL OIRNI	A
J 601	87-A61-242-010		JACK,6.3 BLK MONO W/SW V KM	A
J 602	87-A61-242-010		JACK,6.3 BLK MONO W/SW V KM	A
Q 604	87-A30-075-080		C-TR,2SA1235F	A
Q 602	87-A30-076-080		C-TR,2SC3052F	A
Q 603	87-A30-076-080		C-TR,2SC3052F	A
Q 601	87-A30-087-080		C-FET,2SK2158	A
C 1	87-010-387-080		CAP,E 470-25 SME	A
C 7	87-A10-627-000		CAP,E 2200-50 M SMG	A
C 6	87-A10-627-000		CAP,E 2200-50 M SMG	A
C 5	87-A11-148-080		CAP,TC U 0.1-50 Z F	A
C 4	87-A11-148-080		CAP,TC U 0.1-50 Z F	A
C 8	87-A11-148-080		CAP,TC U 0.1-50 Z F	A
C 9	87-A11-148-080		CAP,TC U 0.1-50 Z F	A
C 16	87-010-403-080		CAP, ELECT 3.3-50V	A
C 13	87-016-657-090		CAP,E 3300-71	A
C 12	87-016-657-090		CAP,E 3300-71	A
C 11	87-A11-148-080		CAP,TC U 0.1-50 Z F	A
C 10	87-A11-148-080		CAP,TC U 0.1-50 Z F	A
CN 2	87-A61-108-010		CONN,5P V TID-A	A
CN 1	87-A61-110-010		CONN,9P V TID-A	A
D 2	87-A40-547-090		DIODE,D5SBA20	A
D 1	87-A40-548-090		DIODE,D3SBA20	A
D 6	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 8	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 5	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 7	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 4	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 9	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 16	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 18	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 19	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 12	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 17	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 11	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 15	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 14	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 10	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 13	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 20	87-A40-736-080		DIODE,1N4148M(SEM)	A
D 21	87-A40-736-080		DIODE,1N4148M(SEM)	A
PT 2	8A-NF8-661-010		PT,SUB ANF-8 (U)	A
Q 1	87-026-245-080		TR,DTC114ES	A
Q 2	87-A30-198-080		TR,KTC3199GR	A
RY 2	87-A90-976-010		RELAY,AC12V SDT-S-112LMR	A
T 1	87-A60-317-010		TERMINAL, 1P MSC	A
T 2	87-A60-317-010		TERMINAL, 1P MSC	A
C 102	87-010-183-080		C-CAP,S 2700P-50 B	A
C 101	87-010-183-080		C-CAP,S 2700P-50 B	A
C 105	87-010-186-080		CAP,CHIP 4700P	A
C 106	87-010-186-080		CAP,CHIP 4700P	A
C 108	87-010-403-080		CAP, ELECT 3.3-50V	A
C 107	87-010-403-080		CAP, ELECT 3.3-50V	A
C 104	87-010-546-080		CAP, ELECT 0.33-50V	A
C 103	87-010-546-080		CAP, ELECT 0.33-50V	A
C 119	87-010-197-080		CAP, CHIP 0.01 DM	A
C 113	87-010-405-080		CAP, ELECT 10-50V	A
C 114	87-010-405-080		CAP, ELECT 10-50V	A
C 115	87-016-299-080		CAP,E 10-100 SME	A
C 116	87-016-299-080		CAP,E 10-100 SME	A
C 120	87-010-197-080		CAP, CHIP 0.01 DM	A
C 133	87-010-186-080		CAP,CHIP 4700P	A
C 153	87-010-183-080		C-CAP,S 2700P-50 B	A
C 205	87-010-183-080		C-CAP,S 2700P-50 B	A
C 206	87-010-183-080		C-CAP,S 2700P-50 B	A
C 207	87-010-404-080		CAP, ELECT 4.7-50V	A
C 208	87-010-404-080		CAP, ELECT 4.7-50V	A
C 211	87-010-260-080		CAP, ELECT 47-25V	A
C 212	87-010-260-080		CAP, ELECT 47-25V	A
C 217	87-010-405-080		CAP, ELECT 10-50V	A
C 218	87-010-405-080		CAP, ELECT 10-50V	A
C 223	87-010-197-080		CAP, CHIP 0.01 DM	A
C 224	87-010-197-080		CAP, CHIP 0.01 DM	A
C 222	87-010-405-080		CAP, ELECT 10-50V	A
C 221	87-010-405-080		CAP, ELECT 10-50V	A

C	251	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	254	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	253	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	252	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
CN	103	87-A60-131-010	CONN,6P V FE	A.....
CN	102	87-A61-011-010	CONN,13P H BLK TAC-L13P-A3	A.....
CN	101	87-A61-011-010	CONN,13P H BLK TAC-L13P-A3	A.....
CNA	103	8A-NF8-655-010	CONN ASSY,7P TID-A(150)	A.....
CNA	101	8A-NF8-656-010	CONN ASSY,5P TID-A 400	A.....
D	101	87-A40-269-080	C-DIODE,MC2836	A.....
D	103	87-A40-313-080	C-DIODE,MC 2840	A.....
D	150	87-A40-270-080	C-DIODE,MC2838	A.....
D	201	87-A40-269-080	C-DIODE,MC2836	A.....
D	203	87-A40-313-080	C-DIODE,MC 2840	A.....
D	204	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	402	87-017-978-080	DIODE,1N4003	A.....
D	403	87-017-978-080	DIODE,1N4003	A.....
D	401	87-A40-270-080	C-DIODE,MC2838	A.....
IC	101	87-A21-355-010	IC,STK490-140	A.....
IC	201	87-A21-397-010	IC,STK490-070	A.....
J	201	87-A61-160-010	JACK,PIN 4P R/W/B/B KM	A.....
L	251	87-003-383-010	COIL,1UH-S	A.....
L	252	87-003-383-010	COIL,1UH-S	A.....
Q	102	87-A30-107-070	C-TR,CMBT5401	A.....
Q	101	87-A30-107-070	C-TR,CMBT5401	A.....
Q	151	87-A30-106-070	C-TR,CMBT5551	A.....
Q	150	87-A30-107-070	C-TR,CMBT5401	A.....
Q	204	87-A30-075-080	C-TR,2SA1235F	A.....
Q	203	87-A30-075-080	C-TR,2SA1235F	A.....
Q	202	87-A30-107-070	C-TR,CMBT5401	A.....
Q	201	87-A30-107-070	C-TR,CMBT5401	A.....
Q	401	87-A30-075-080	C-TR,2SA1235F	A.....
Q	402	87-A30-075-080	C-TR,2SA1235F	A.....
R	129	87-A00-262-080	RES,M/F 0.15-2W J	A.....
R	130	87-A00-262-080	RES,M/F 0.15-2W J	A.....
R	181	87-A00-262-080	RES,M/F 0.15-2W J	A.....
R	182	87-A00-262-080	RES,M/F 0.15-2W J	A.....
R	232	87-A00-257-080	RES,M/F 0.15-1W J	A.....
R	231	87-A00-257-080	RES,M/F 0.15-1W J	A.....
WH	101	87-A90-459-010	HLDR,WIRE 2.5-5P	A.....
WH	102	87-A90-460-010	HLDR,WIRE 2.5-7P	A.....
C	160	87-010-186-080	CAP,CHIP 4700P	A.....
C	201	87-010-183-080	C-CAP,S 2700P-50 B	A.....
C	208	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	205	87-010-260-080	CAP, ELECT 47-25V	A.....
C	209	87-010-260-080	CAP, ELECT 47-25V	A.....
C	202	87-010-404-080	CAP, ELECT 4.7-50V	A.....
C	204	87-010-406-080	CAP, ELECT 22-50	A.....
C	206	87-A10-946-080	C-CAP,S 220P-100 J CH	A.....
C	212	87-010-178-080	CHIP CAP 1000P	A.....
C	211	87-010-178-080	CHIP CAP 1000P	A.....
C	210	87-010-260-080	CAP, ELECT 47-25V	A.....
C	253	87-010-190-080	S CHIP F 0.01	A.....
C	251	87-012-368-080	C-CAP,S 0.1-50 F	A.....
C	252	87-A11-595-080	C-CAP,S 0.056-50 K B	A.....
CN	104	87-A60-131-010	CONN,6P V FE	A.....
CN	101	87-A61-109-010	CONN,7P V TID-A	A.....
D	160	87-A40-270-080	C-DIODE,MC2838	A.....
D	209	87-017-495-080	DIODE,IN5393	A.....
D	205	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	207	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	208	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	204	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	203	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	202	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	201	87-020-465-080	DIODE,1SS133 (110MA)	A.....
D	210	87-017-495-080	DIODE,IN5393	A.....
D	218	87-017-495-080	DIODE,IN5393	A.....
D	219	87-017-495-080	DIODE,IN5393	A.....
D	214	87-A40-313-080	C-DIODE,MC 2840	A.....
D	216	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	211	87-A40-754-080	ZENER,UZ6.8BSC	A.....
D	212	87-A40-754-080	ZENER,UZ6.8BSC	A.....
J	102	87-A60-573-010	JACK,PIN 1P ORN	A.....
L	251	87-003-383-010	COIL,1UH-S	A.....
Q	161	87-A30-106-080	C-TR,CMBT5551	A.....
Q	160	87-A30-107-070	C-TR,CMBT5401	A.....
Q	201	87-A30-075-080	C-TR,2SA1235F	A.....
Q	203	87-A30-075-080	C-TR,2SA1235F	A.....
Q	207	87-A30-076-080	C-TR,2SC3052F	A.....
Q	202	87-A30-076-080	C-TR,2SC3052F	A.....
Q	204	87-A30-076-080	C-TR,2SC3052F	A.....
Q	208	87-A30-076-080	C-TR,2SC3052F	A.....
Q	206	87-A30-190-080	TR,CC5551	A.....
Q	209	87-A30-256-010	TR,2SD1933	A.....
Q	214	87-A30-074-080	C-TR,RT1P 141C	A.....
Q	217	87-A30-075-080	C-TR,2SA1235F	A.....
Q	215	87-A30-075-080	C-TR,2SA1235F	A.....
Q	213	87-A30-107-070	C-TR,CMBT5401	A.....
Q	210	87-A30-255-010	TR,2SB1342	A.....
Q	212	87-A30-255-010	TR,2SB1342	A.....
Q	211	87-A30-256-010	TR,2SD1933	A.....

ELECTRICAL MAIN PARTS LIST - 3/8

R	218	87-A00-257-080	RES,M/F 0.15-1W J	A.....
TH	201	87-A91-042-080	C-THMS,100K 55001	A.....
C	101	87-010-190-080	S CHIP F 0.01	A.....
C	109	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	103	87-010-312-080	C-CAP,S 15P-50 CH	A.....
C	102	87-010-322-080	C-CAP,S 100P-50 CH	A.....
C	105	87-010-406-040	CAP,E 22-50 SME	A.....
C	106	87-010-493-040	CAP,E 0.47-50 GAS	A.....
C	104	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C	107	87-A10-189-040	CAP,E 220-10	A.....
C	108	87-A10-189-040	CAP,E 220-10	A.....
C	110	87-010-178-080	CHIP CAP 1000P	A.....
C	115	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	116	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	114	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	119	87-010-498-040	CAP,E 10-16 GAS	A.....
C	118	87-012-145-080	CAP, CHIP S 270P CH	A.....
C	112	87-012-368-080	C-CAP,S 0.1-50 F	A.....
C	113	87-012-369-080	C-CAP,S 0.047-50F	A.....
C	121	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	120	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	122	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	123	87-012-393-080	C-CAP,S 0.22-16 R K	A.....
C	182	87-010-178-080	CHIP CAP 1000P	A.....
C	181	87-010-180-080	C-CER 1500P	A.....
C	183	87-012-156-080	C-CAP,S 220P-50 CH	A.....
C	202	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C	203	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C	204	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C	205	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C	211	87-012-140-080	CAP 470P	A.....
C	222	87-010-404-040	CAP,E 4.7-50 SME	A.....
C	223	87-010-408-040	CAP,E 47-50 SME	A.....
C	221	87-010-421-040	CAP,E 4.7-50 5L	A.....
C	224	87-012-369-080	C-CAP,S 0.047-50F	A.....
C	385	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	387	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	383	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	384	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	386	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	382	87-010-320-080	CHIP CAP 68P	A.....
C	392	87-010-320-080	CHIP CAP 68P	A.....
C	402	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	403	87-010-322-080	C-CAP,S 100P-50 CH	A.....
C	407	87-010-322-080	C-CAP,S 100P-50 CH	A.....
C	404	87-010-322-080	C-CAP,S 100P-50 CH	A.....
C	406	87-010-322-080	C-CAP,S 100P-50 CH	A.....
C	405	87-010-322-080	C-CAP,S 100P-50 CH	A.....
C	408	87-010-322-080	C-CAP,S 100P-50 CH	A.....
C	701	87-010-260-040	CAP,E 47-25 SME	A.....
CN	104	87-099-017-010	CONN, 15P 6216 V	A.....
CN	102	8A-NF7-605-010	CONN ASSY,4P V 80MM	A.....
CN	901	87-A60-138-010	CONN,13P V FE	A.....
CON	101	87-099-720-010	CONN,30P TYK-B(P)	A.....
D	105	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	106	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	107	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	108	87-A40-752-080	ZENER,UZ6.2BSC	A.....
D	302	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	306	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	307	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	303	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	308	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	305	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	304	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	301	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	309	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	316	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	315	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	311	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	310	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	313	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	312	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	314	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	318	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	322	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	330	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	383	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	384	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	381	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	382	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	385	87-A40-802-080	ZENER,UZ5.1BSC	A.....
D	701	87-A40-269-080	C-DIODE,MC2836	A.....
FL	201	8A-NF7-601-010	FL,BJ754GNK	A.....
IC	101	8A-NF6-605-010	C-IC,LC876572V-XXX	A.....
IC	251	87-A21-482-010	IC,RPM6938-H4	A.....
IC	380	87-A21-577-040	C-IC,M61506FP	A.....
IC	402	87-070-289-040	IC,BU 2092F	A.....
IC	401	87-A21-021-040	C-IC,BU2099FV	A.....
L	101	87-A50-333-010	COIL,OSC 9.43MHZ	A.....
LED	404	87-017-733-080	LED,SEL1250SM	A.....
LED	401	87-017-733-080	LED,SEL1250SM	A.....

LED 403	87-017-733-080	LED,SEL1250SM	A.....
LED 402	87-017-733-080	LED,SEL1250SM	A.....
LED 405	87-017-733-080	LED,SEL1250SM	A.....
LED 416	87-A40-619-080	LED,SLR-56PT-TE7-W GRN	A.....
LED 417	87-A40-619-080	LED,SLR-56PT-TE7-W GRN	A.....
LED 418	87-A40-619-080	LED,SLR-56PT-TE7-W GRN	A.....
LED 419	87-A40-619-080	LED,SLR-56PT-TE7-W GRN	A.....
LED 423	87-A40-317-080	LED,SLR-342VCT31 RED	A.....
LED 424	87-A40-317-080	LED,SLR-342VCT31 RED	A.....
LED 422	87-A40-317-080	LED,SLR-342VCT31 RED	A.....
LED 420	87-A40-619-080	LED,SLR-56PT-TE7-W GRN	A.....
LED 421	87-A40-619-080	LED,SLR-56PT-TE7-W GRN	A.....
LED 440	87-A40-563-010	LED,SEL6515C-LF62 PGRN	A.....
LED 441	87-A40-563-010	LED,SEL6515C-LF62 PGRN	A.....
LED 442	87-A40-563-010	LED,SEL6515C-LF62 PGRN	A.....
LED 443	87-A40-563-010	LED,SEL6515C-LF62 PGRN	A.....
LED 445	87-A40-564-010	LED,SEL6215S-LF62 RED	A.....
LED 444	87-A40-564-010	LED,SEL6215S-LF62 RED	A.....
LED 450	87-A40-589-040	LED,SLR-56VCT31 RED	A.....
LED 451	87-A40-589-040	LED,SLR-56VCT31 RED	A.....
LED 453	87-A40-678-010	LED,SELU1E10CXM BLUE-DEF	A.....
LED 452	87-A40-678-010	LED,SELU1E10CXM BLUE-DEF	A.....
LED 454	87-A40-678-010	LED,SELU1E10CXM BLUE-DEF	A.....
LED 455	87-A40-678-010	LED,SELU1E10CXM BLUE-DEF	A.....
LED 499	87-017-733-080	LED,SEL1250SM	A.....
Q 107	87-026-610-080	TR,KTC3198GR	A.....
Q 103	87-A30-073-080	C-TR,RT1N 141C	A.....
Q 104	87-A30-074-080	C-TR,RT1P 141C	A.....
Q 108	87-A30-074-080	C-TR,RT1P 141C	A.....
Q 105	87-A30-074-080	C-TR,RT1P 141C	A.....
Q 102	87-A30-076-080	C-TR,2SC3052F	A.....
Q 101	87-A30-087-080	C-FET,2SK2158	A.....
Q 705	87-A30-318-080	TR,CSA952K	A.....
Q 704	87-A30-318-080	TR,CSA952K	A.....
Q 701	87-A30-329-080	TR,CD1585BC	A.....
S 101	87-A91-709-010	SW,RTRY 1-2-24 RE012103 PV	A.....
S 102	87-A91-710-010	SW,RTRY 1-2-12 RE012103 PV	A.....
S 303	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 305	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 302	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 304	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 301	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 306	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 310	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 311	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 312	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 313	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 324	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 327	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 322	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 328	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 321	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 326	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 323	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 325	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 333	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 334	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 345	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 346	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 342	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 347	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 344	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 343	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 341	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 349	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 351	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 355	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 350	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 353	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 354	87-A91-024-180	SW,TACT KSH0611BT	A.....
S 352	87-A91-024-180	SW,TACT KSH0611BT	A.....
C 309	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C 307	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C 302	87-010-318-080	C-CAP,S 47P-50 CH	A.....
C 301	87-010-318-080	C-CAP,S 47P-50 CH	A.....
C 303	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C 306	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C 304	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C 305	87-012-157-080	C-CAP,S 330P-50 CH	A.....
C 316	87-010-179-080	CAP,CHIP S B1200P	A.....
C 314	87-010-179-080	CAP,CHIP S B1200P	A.....
C 315	87-010-179-080	CAP,CHIP S B1200P	A.....
C 313	87-010-179-080	CAP,CHIP S B1200P	A.....
C 310	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C 312	87-010-198-080	CAP, CHIP 0.022	A.....
C 311	87-010-198-080	CAP, CHIP 0.022	A.....
C 324	87-010-260-080	CAP, ELECT 47-25V	A.....
C 325	87-010-370-080	CAP,E 330-6.3 SME	A.....
C 328	87-010-404-080	CAP, ELECT 4.7-50V	A.....
C 327	87-010-404-080	CAP, ELECT 4.7-50V	A.....
C 321	87-012-142-080	CAP, S 0.33-16	A.....
C 322	87-012-142-080	CAP, S 0.33-16	A.....

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C	332	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	339	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	337	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	336	87-010-401-080	CAP, ELECT 1-50V	A.....
C	335	87-010-401-080	CAP, ELECT 1-50V	A.....
C	340	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	354	87-010-175-080	CAP 560P	A.....
C	355	87-010-178-080	CHIP CAP 1000P	A.....
C	359	87-010-183-080	C-CAP,S 2700P-50 B	A.....
C	358	87-010-183-080	C-CAP,S 2700P-50 B	A.....
C	357	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	356	87-010-260-080	CAP, ELECT 47-25V	A.....
C	352	87-012-140-080	CAP 470P	A.....
C	351	87-012-140-080	CAP 470P	A.....
C	360	87-010-183-080	C-CAP,S 2700P-50 B	A.....
C	363	87-A10-292-080	CAP,M 5600P-50 J	A.....
C	370	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	378	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	379	87-010-382-080	CAP, ELECT 22-25V	A.....
C	374	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	373	87-016-083-080	C-CAP,S 0.15-16 RK	A.....
C	386	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	381	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	383	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	382	87-010-312-080	C-CAP,S 15P-50 CH	A.....
C	380	87-010-382-080	CAP, ELECT 22-25V	A.....
C	384	87-010-402-080	CAP, ELECT 2.2-50V	A.....
C	387	87-012-145-080	CAP, CHIP S 270P CH	A.....
C	388	87-012-156-080	C-CAP,S 220P-50 CH	A.....
C	393	87-010-319-080	C-CAP,S 56P-50 CH	A.....
C	392	87-010-319-080	C-CAP,S 56P-50 CH	A.....
C	391	87-010-319-080	C-CAP,S 56P-50 CH	A.....
C	394	87-010-319-080	C-CAP,S 56P-50 CH	A.....
CN	301	87-A60-620-010	CONN,3P V 2MM JMT	A.....
CN	351	87-A60-625-010	CONN,8P V 2MM JMT	A.....
D	352	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	353	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
IC	303	87-A20-783-040	C-IC,BA7762AFS	A.....
L	301	87-A50-049-010	COIL,TRAP 85K(COI)	A.....
L	302	87-A50-049-010	COIL,TRAP 85K(COI)	A.....
L	351	87-007-342-010	COIL,OSC 85K BIAS	A.....
Q	357	87-026-609-080	TR,KTA1266GR	A.....
Q	359	87-026-610-080	TR,KTC3198GR	A.....
Q	358	87-026-610-080	TR,KTC3198GR	A.....
Q	354	87-A30-087-080	C-FET,2SK2158	A.....
Q	351	87-A30-087-080	C-FET,2SK2158	A.....
Q	353	87-A30-087-080	C-FET,2SK2158	A.....
Q	355	87-A30-105-080	C-TR,RT1P 441C	A.....
Q	361	87-A30-076-080	C-TR,2SC3052F	A.....
Q	383	87-A30-075-080	C-TR,2SA1235F	A.....
Q	381	87-A30-076-080	C-TR,2SC3052F	A.....
Q	382	87-A30-076-080	C-TR,2SC3052F	A.....
SFR	352	87-A90-433-080	SFR,50K H NVZ6TLTA	A.....
SFR	351	87-A90-433-080	SFR,50K H NVZ6TLTA	A.....
C	115	87-010-403-080	CAP, ELECT 3.3-50V	A.....
C	116	87-010-403-080	CAP, ELECT 3.3-50V	A.....
C	173	87-012-368-080	C-CAP,S 0.1-50 F	A.....
C	172	87-012-368-080	C-CAP,S 0.1-50 F	A.....
C	171	87-012-368-080	C-CAP,S 0.1-50 F	A.....
C	174	87-012-368-080	C-CAP,S 0.1-50 F	A.....
CN	101	87-A60-996-010	CONN,13P V BLK TAC-L13X-A3	A.....
J	102	87-A60-238-010	TERMINAL,SP 4P (MSC)	A.....
J	101	87-A60-483-010	JACK,DIA6.3 BLK ST W/S KM	A.....
L	101	87-003-383-010	COIL,1UH-S	A.....
L	102	87-003-383-010	COIL,1UH-S	A.....
Q	113	87-A30-075-080	C-TR,2SA1235F	A.....
Q	112	87-A30-086-040	C-TR,CSD1306E	A.....
Q	111	87-A30-086-040	C-TR,CSD1306E	A.....
R	163	87-A00-441-050	RES,270-1/2W J RP	A.....
R	162	87-A00-441-050	RES,270-1/2W J RP	A.....
R	161	87-A00-441-050	RES,270-1/2W J RP	A.....
R	164	87-A00-441-050	RES,270-1/2W J RP	A.....
C	973	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	974	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	979	87-010-322-080	C-CAP,S 100P-50 CH	A.....
C	971	87-010-381-080	CAP, ELECT 330-16V	A.....
C	972	87-010-404-080	CAP, ELECT 4.7-50V	A.....
C	982	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	987	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	983	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	984	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	981	87-010-260-080	CAP, ELECT 47-25V	A.....
C	993	87-010-178-080	CHIP CAP 1000P	A.....
C	995	87-010-178-080	CHIP CAP 1000P	A.....
C	997	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	998	87-010-260-080	CAP, ELECT 47-25V	A.....
C	991	87-010-312-080	C-CAP,S 15P-50 CH	A.....
C	992	87-010-312-080	C-CAP,S 15P-50 CH	A.....
D	804	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
D	991	87-017-149-080	ZENER,HZS6A2L	A.....
IC	991	87-070-127-110	IC,LC72131 D	A.....
Q	981	87-A30-234-080	TR,CSC4115BC	A.....

ELECTRICAL MAIN PARTS LIST - 6/8

R	993	87-010-322-080	C-CAP,S 100P-50 CH	A.....
R	991	87-010-322-080	C-CAP,S 100P-50 CH	A.....
R	995	87-010-322-080	C-CAP,S 100P-50 CH	A.....
X	991	87-A70-061-010	VIB,XTAL 4.500MHZ CSA-309	A.....
C	773	87-010-184-080	CHIP CAPACITOR 3300P(K)	A.....
C	774	87-010-184-080	CHIP CAPACITOR 3300P(K)	A.....
C	772	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	771	87-010-263-080	CAP, ELECT 100-10V	A.....
C	788	87-010-149-080	C-CAP,S 5P-50 CH	A.....
C	785	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	783	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	782	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	786	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	784	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	789	87-A11-530-080	C-CAP,S 0.018-50 J B	A.....
C	791	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	795	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	796	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	792	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	798	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	793	87-010-404-080	CAP, ELECT 4.7-50V	A.....
C	797	87-010-405-080	CAP, ELECT 10-50V	A.....
C	799	87-010-407-080	CAP, ELECT 33-50V	A.....
C	790	87-A11-530-080	C-CAP,S 0.018-50 J B	A.....
C	803	87-010-198-080	CAP, CHIP 0.022	A.....
C	804	87-010-263-080	CAP, ELECT 100-10V	A.....
C	807	87-010-400-080	CAP, ELECT 0.47-50V	A.....
C	809	87-010-401-080	CAP, ELECT 1-50V	A.....
C	808	87-010-401-080	CAP, ELECT 1-50V	A.....
C	801	87-010-403-080	CAP, ELECT 3.3-50V	A.....
C	802	87-012-369-080	C-CAP,S 0.047-50F	A.....
C	800	87-012-369-080	C-CAP,S 0.047-50F	A.....
C	819	87-010-179-080	CAP,CHIP S B1200P	A.....
C	810	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	814	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	816	87-010-403-080	CAP, ELECT 3.3-50V	A.....
C	815	87-010-403-080	CAP, ELECT 3.3-50V	A.....
C	812	87-010-403-080	CAP, ELECT 3.3-50V	A.....
C	811	87-010-403-080	CAP, ELECT 3.3-50V	A.....
C	823	87-010-177-080	C-CAP,S 820P-50 SL	A.....
C	820	87-010-179-080	CAP,CHIP S B1200P	A.....
C	821	87-010-405-080	CAP, ELECT 10-50V	A.....
C	824	87-010-405-080	CAP, ELECT 10-50V	A.....
C	825	87-010-596-080	CAP, S 0.047-16	A.....
D	803	87-A40-736-080	DIODE,1N4148M(SEM)	A.....
IC	801	87-A21-415-010	IC,LA1843	A.....
L	801	87-A50-540-010	COIL,FM DET(TOK)	A.....
L	802	87-A91-551-010	FLTR,PCFJZH-450 L(TOK)	A.....
L	811	87-005-847-080	COIL,2.2UH(CECS)	A.....
L	821	87-A50-209-010	COIL,1POLE MPX(MIT)	A.....
L	822	87-A50-209-010	COIL,1POLE MPX(MIT)	A.....
Q	801	87-A30-076-080	C-TR,2SC3052F	A.....
Q	802	87-A30-076-080	C-TR,2SC3052F	A.....
R	790	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	846	87-010-190-080	S CHIP F 0.01	A.....
C	849	87-010-190-080	S CHIP F 0.01	A.....
C	843	87-010-190-080	S CHIP F 0.01	A.....
C	848	87-010-190-080	S CHIP F 0.01	A.....
C	845	87-010-190-080	S CHIP F 0.01	A.....
C	847	87-010-190-080	S CHIP F 0.01	A.....
C	844	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	842	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	859	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	858	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	852	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	853	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	851	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	850	87-010-260-080	CAP, ELECT 47-25V	A.....
C	860	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	959	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	961	87-010-152-080	C-CAP,S 8P-50 CH	A.....
C	960	87-010-196-080	CHIP CAPACITOR,0.1-25	A.....
C	963	87-015-785-080	CHIP CAPACITOR, 0.1FZ-25Z	A.....
CF	831	87-008-261-010	FILTER, SFE10.7MA5-A	A.....
CF	832	87-008-261-010	FILTER, SFE10.7MA5-A	A.....
FFE	831	A8-8ZA-190-030	8ZA-1 FEUNM	A.....
J	831	87-A60-202-010	TERMINAL,ANT 4P MSP-154V-02	A.....
L	832	87-005-847-080	COIL,2.2UH(CECS)	A.....
L	951	8A-NF8-667-010	COIL,AM PACK 4(TOK)	A.....
Q	836	87-A30-072-080	C-TR,RT1P 144C	A.....
Q	835	89-327-143-080	TR,2SC2714 (0.1W)	A.....
C	3	87-012-368-080	C-CAP,S 0.1-50 F	A.....
C	4	87-012-368-080	C-CAP,S 0.1-50 F	A.....
C	26	87-010-260-080	CAP, ELECT 47-25V	A.....
C	27	87-010-260-080	CAP, ELECT 47-25V	A.....
C	28	87-010-260-080	CAP, ELECT 47-25V	A.....
C	25	87-010-260-080	CAP, ELECT 47-25V	A.....
C	22	87-016-658-000	CAP,E 4700-35 M SMG	A.....
C	21	87-016-658-000	CAP,E 4700-35 M SMG	A.....
C	36	87-010-112-080	CAP, ELECT 100-16V	A.....
C	32	87-010-197-080	CAP, CHIP 0.01 DM	A.....
C	31	87-010-263-080	CAP, ELECT 100-10V	A.....

C	33	87-010-263-080	CAP, ELECT 100-10V	A
C	35	87-010-380-080	CAP, ELECT 47-16V	A
C	38	87-010-384-080	CAP, ELECT 100-25V	A
C	34	87-010-384-080	CAP, ELECT 100-25V	A
C	39	87-010-384-080	CAP, ELECT 100-25V	A
C	40	87-010-197-080	CAP, CHIP 0.01 DM	A
C	60	87-010-403-080	CAP, ELECT 3.3-50V	A
CN	1	87-A60-996-010	CONN,13P V BLK TAC-L13X-A3	A
CNA	1	8A-NF8-653-010	CONN ASSY,9P TID-A(480)	A
D	1	87-017-654-060	DIODE,GBU6J	A
D	26	87-A40-553-080	DIODE,1N4003 LES	A
D	25	87-A40-553-080	DIODE,1N4003 LES	A
D	27	87-A40-553-080	DIODE,1N4003 LES	A
D	28	87-A40-553-080	DIODE,1N4003 LES	A
D	29	87-A40-781-080	ZENER,UZ36BSA	A
D	33	87-A40-553-080	DIODE,1N4003 LES	A
D	32	87-A40-736-080	DIODE,1N4148M(SEM)	A
D	30	87-A40-736-080	DIODE,1N4148M(SEM)	A
D	34	87-A40-736-080	DIODE,1N4148M(SEM)	A
D	31	87-A40-764-080	ZENER,UZ10BSC	A
D	64	87-A40-269-080	C-DIODE,MC2836	A
D	63	87-A40-270-080	C-DIODE,MC2838	A
D	61	87-A40-313-080	C-DIODE,MC 2840	A
D	62	87-A40-313-080	C-DIODE,MC 2840	A
D	60	87-A40-736-080	DIODE,1N4148M(SEM)	A
D	65	87-A40-768-080	ZENER,UZ16BSA	A
Q	1	87-026-609-080	TR,KTA1266GR	A
Q	2	87-026-609-080	TR,KTA1266GR	A
Q	5	87-026-610-080	TR,KTC3198GR	A
Q	8	87-A30-075-080	C-TR,2SA1235F	A
Q	7	87-A30-075-080	C-TR,2SA1235F	A
Q	6	87-A30-076-080	C-TR,2SC3052F	A
Q	9	87-A30-318-080	TR,CSA952K	A
Q	4	89-213-702-010	TR,2SB1370 (1.8W)	A
Q	3	89-213-702-010	TR,2SB1370 (1.8W)	A
Q	10	87-A30-076-080	C-TR,2SC3052F	A
Q	63	87-A30-075-080	C-TR,2SA1235F	A
Q	61	87-A30-075-080	C-TR,2SA1235F	A
Q	60	87-A30-076-080	C-TR,2SC3052F	A
Q	62	87-A30-076-080	C-TR,2SC3052F	A
Q	64	87-A30-076-080	C-TR,2SC3052F	A
WH	1	87-A90-510-010	HLDR,WIRE 2.5-9P	A
C	402	87-010-176-080	C-CAP,S 680P-50 SL	A
C	401	87-010-176-080	C-CAP,S 680P-50 SL	A
C	409	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	407	87-010-401-080	CAP, ELECT 1-50V	A
C	408	87-010-401-080	CAP, ELECT 1-50V	A
C	404	87-010-958-080	CHIP -CAP,S 0.01-25BJ	A
C	403	87-010-958-080	CHIP -CAP,S 0.01-25BJ	A
C	406	87-010-958-080	CHIP -CAP,S 0.01-25BJ	A
C	405	87-010-958-080	CHIP -CAP,S 0.01-25BJ	A
C	410	87-010-112-080	CAP, ELECT 100-16V	A
C	417	87-010-221-080	CAP, ELECT 470-10V	A
C	411	87-010-400-080	CAP, ELECT 0.47-50V	A
C	412	87-010-400-080	CAP, ELECT 0.47-50V	A
C	413	87-010-401-080	CAP, ELECT 1-50V	A
C	415	87-010-492-080	CAP,E 0.33-50 M 5L SRE	A
C	416	87-010-492-080	CAP,E 0.33-50 M 5L SRE	A
C	414	87-010-494-080	CAP ELECT GAS 1/50	A
C	419	87-A10-800-080	C-CAP,S 6800P-16 J B CM	A
C	418	87-A10-891-080	CAP,E 4.7-25 SME(K)	A
C	425	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	421	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	420	87-010-374-080	CAP, ELECT 47-10V	A
C	424	87-010-374-080	CAP, ELECT 47-10V	A
C	429	87-010-545-080	CAP, ELECT 0.22-50V	A
C	422	87-A10-804-080	C-CAP,S 0.1-25 J B	A
C	439	87-010-805-080	CAP, S 1-16	A
C	431	87-010-971-080	C-CAP,S 4700P-50 B J	A
C	437	87-010-971-080	C-CAP,S 4700P-50 B J	A
C	430	87-012-142-080	CAP, S 0.33-16	A
C	438	87-012-349-080	C-CAP,S 1000P-50 CH	A
C	432	87-012-349-080	C-CAP,S 1000P-50 CH	A
C	435	87-A11-182-080	C-CAP,S 0.27-16 J B	A
C	434	87-A11-182-080	C-CAP,S 0.27-16 J B	A
C	433	87-A11-183-080	C-CAP,S 0.12-16 J B	A
C	436	87-A11-183-080	C-CAP,S 0.12-16 J B	A
C	440	87-010-401-080	CAP, ELECT 1-50V	A
C	447	87-010-404-080	CAP, ELECT 4.7-50V	A
C	446	87-010-404-080	CAP, ELECT 4.7-50V	A
C	449	87-012-393-080	C-CAP,S 0.22-16 R K	A
C	444	87-012-393-080	C-CAP,S 0.22-16 R K	A
C	445	87-012-393-080	C-CAP,S 0.22-16 R K	A
C	448	87-012-393-080	C-CAP,S 0.22-16 R K	A
C	443	87-A10-229-080	C-CAP,S 0.68-10 K W5	A
C	441	87-A10-799-080	C-CAP,S 5600P-16 J B CM	A
C	442	87-A10-802-080	C-CAP,S 0.047-16 J B CM	A
C	453	87-016-081-080	C-CAP,S 0.1-16 RK	A
C	457	87-016-081-080	C-CAP,S 0.1-16 RK	A
C	454	87-016-081-080	C-CAP,S 0.1-16 RK	A
C	450	87-016-081-080	C-CAP,S 0.1-16 RK	A
C	456	87-A10-801-080	C-CAP,S 0.022-16 J B CM	A

C	455	87-A10-801-080	C-CAP,S 0.022-16 J B CM	A
C	451	87-A10-802-080	C-CAP,S 0.047-16 J B CM	A
C	452	87-A10-802-080	C-CAP,S 0.047-16 J B CM	A
C	466	87-010-194-080	CAP, CHIP 0.047	A
C	463	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	461	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	465	87-016-552-080	C-CAP,S 0.082-16 B K	A
C	468	87-A10-060-080	C-CAP,S 0.18-16 K B	A
C	467	87-A10-201-080	C-CAP,S0.33-16 KB	A
C	479	87-010-179-080	CAP,CHIP S B1200P	A
C	478	87-010-494-080	CAP ELECT GAS 1/50	A
C	489	87-010-133-080	CAP, ELECT 2.2-50V	A
C	481	87-010-179-080	CAP,CHIP S B1200P	A
C	482	87-010-179-080	CAP,CHIP S B1200P	A
C	480	87-010-179-080	CAP,CHIP S B1200P	A
C	483	87-010-494-080	CAP ELECT GAS 1/50	A
C	491	87-010-133-080	CAP, ELECT 2.2-50V	A
C	492	87-010-133-080	CAP, ELECT 2.2-50V	A
D	402	87-A40-747-080	ZENER,UZ5.1BSB	A
D	401	87-A40-760-080	ZENER,UZ9.1BSA	A
D	410	87-020-465-080	DIODE,1SS133 (110MA)	A
IC	401	87-A21-097-040	C-IC,M62463AFP	A
IC	431	87-A21-015-040	C-IC,M62491FP	A
J	431	87-A60-746-010	JACK,PIN 6P R/W,R/W, O/B	A
Q	401	87-A30-086-070	C-TR,CSD1306E	A
Q	402	87-A30-086-070	C-TR,CSD1306E	A
Q	404	87-A30-086-070	C-TR,CSD1306E	A
Q	403	87-A30-202-080	C-TR,RT1P441C	A
Q	431	87-A30-086-070	C-TR,CSD1306E	A
R	407	87-022-214-080	C-RES S100K-1/10WF	A
R	445	87-010-195-080	C-CAP,S 0.068-25 F	A
C	609	87-010-181-080	CAP,CHIP S 1800P	A
C	610	87-010-181-080	CAP,CHIP S 1800P	A
C	616	87-010-184-080	CHIP CAPACITOR 3300P(K)	A
C	613	87-010-197-080	CAP, CHIP 0.01 DM	A
C	619	87-010-263-080	CAP, ELECT 100-10V	A
C	618	87-010-544-080	CAP, ELECT 0.1-50V	A
C	611	87-010-598-080	C-CAP,S 0.068-16VRK	A
C	617	87-012-369-080	C-CAP,S 0.047-50F	A
C	612	87-016-369-080	C-CAP,S 0.033-25 B K	A
C	614	87-016-669-080	C-CAP,S 0.1-25 K B	A
C	621	87-010-197-080	CAP, CHIP 0.01 DM	A
C	627	87-010-400-080	CAP, ELECT 0.47-50V	A
C	628	87-010-400-080	CAP, ELECT 0.47-50V	A
C	624	87-010-544-080	CAP, ELECT 0.1-50V	A
C	623	87-010-544-080	CAP, ELECT 0.1-50V	A
C	620	87-016-669-080	C-CAP,S 0.1-25 K B	A
C	629	87-A11-590-080	C-CAP,S 0.047-16 K B	A
C	626	87-A11-590-080	C-CAP,S 0.047-16 K B	A
C	632	87-010-185-080	C-CAP,S 3900P-50 B	A
C	631	87-010-185-080	C-CAP,S 3900P-50 B	A
C	634	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	630	87-010-383-080	CAP, ELECT 33-25V	A
C	639	87-010-405-080	CAP, ELECT 10-50V	A
C	636	87-A10-307-080	CAP,M 0.1-50 J	A
C	637	87-A10-307-080	CAP,M 0.1-50 J	A
C	638	87-A10-307-080	CAP,M 0.1-50 J	A
C	635	87-A10-307-080	CAP,M 0.1-50 J	A
C	642	87-010-401-080	CAP, ELECT 1-50V	A
C	641	87-010-401-080	CAP, ELECT 1-50V	A
C	644	87-010-401-080	CAP, ELECT 1-50V	A
C	679	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	673	87-010-197-080	CAP, CHIP 0.01 DM	A
C	671	87-010-322-080	C-CAP,S 100P-50 CH	A
C	672	87-010-322-080	C-CAP,S 100P-50 CH	A
C	682	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	680	87-010-197-080	CAP, CHIP 0.01 DM	A
CN	602	87-099-194-010	CONN,6P 6216V	A
CN	601	87-099-719-010	CONN,30P TYK-B(X)	A
D	603	87-A40-736-080	DIODE,1N4148M(SEM)	A
D	602	87-A40-745-080	ZENER,UZ4.7BSA	A
D	601	87-A40-802-080	ZENER,UZ5.1BSC	A
IC	601	87-A21-452-040	C-IC,BD3876KS2	A
J	601	87-A60-885-010	JACK,PIN 6P R/W MSC	A
Q	601	87-026-610-080	TR,KTC3198GR	A
Q	608	87-A30-075-080	C-TR,2SA1235F	A
Q	609	87-A30-075-080	C-TR,2SA1235F	A
Q	607	87-A30-075-080	C-TR,2SA1235F	A
Q	606	87-A30-086-040	C-TR,CSD1306E	A
Q	605	87-A30-086-040	C-TR,CSD1306E	A
C	535	87-010-178-080	CHIP CAP 1000P	A
C	536	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	533	87-010-196-080	CHIP CAPACITOR,0.1-25	A
C	531	87-010-560-080	CAP,E 10-50 GAS	A
C	534	87-012-156-080	C-CAP,S 220P-50 CH	A
C	541	87-010-178-080	CHIP CAP 1000P	A
Q	532	87-A30-075-080	C-TR,2SA1235F	A
Q	531	87-A30-076-080	C-TR,2SC3052F	A

MECHANICAL PARTS LIST - 1/1

NOTE: The characters in the suffix column indicate the part usage.

USM .....XX.....A.....

REF.NO	PARTS NO.	KANRI NO.	DESCRIPTION	SUFFIX
	87-CE3-023-010		BADGE,AIWA 30N SILV	A
	8A-NF7-003-010		BOX,CASS 1	A
	8A-NF7-004-010		BOX,CASS 2	A
	8A-NF7-005-010		PANEL,TRAY U	A
	8A-NF7-008-010		PANEL,CD	A
	8A-NF7-010-010		WINDOW,CASS 1	A
	8A-NF7-011-010		WINDOW,CASS 2	A
	8A-NF7-012-010		PANEL,DIRECT	A
	8A-NF7-112-010		PANEL,RIGHT V-2	A
	8A-NF8-005-010		PANEL,TOP	A
	8A-NF8-006-010		WINDOW,TOP	A
	8A-NF8-007-010		PANEL,LEFT V-2	A
	8A-NFU-003-010		CABI,FR U	A
	8A-NFU-005-010		PANEL,REAR USM	A
	8A-NFU-006-010		WINDOW,DISP U	A
	8A-NFU-007-010		COVER, REAR UM	A
	8A-NFU-008-010		PANEL,ASSY FR U	A
	8A-NF7-021-010		KEY,BBE	A
	8A-NF7-023-010		KEY,ENTER	A
	8A-NF7-024-010		KEY,SURROUND	A
	8A-NF7-026-010		KEY,ASSY OPE	A
	8A-NF7-029-010		KEY,GEQ	A
	8A-NF7-034-010		KEY,MIC	A
	8A-NF7-035-010		KEY,ASSY FUN	A
	8A-NF7-041-010		KEY,ASSY CD	A
	8A-NF7-048-010		KNOB,RTRY ASSY JOG	A
	8A-NF7-049-010		KNOB,RTRY ASSY VOL	A
	8A-NFU-002-010		KEY,PRO	A
	81-532-080-010		LABEL, CASS. COMPT	A
	86-NF6-061-010		REFLECTOR,CASS	A
	8Z-NFT-002-010		PLATE,PRO	A
	87-NF6-615-010		CONN ASSY,3P PB	A
	87-NF6-616-010		CONN ASSY,8P RPB	A
	84-ZG1-245-210		CAP,OPTICAL	A
	82-NF5-218-010		SPR-T,EJECT 1 (SIN)	A
	82-NF5-219-010		SPR-T,EJECT 2 (SIN)	A
	82-NF5-229-010		PLATE,LOCK	A
	86-NF9-224-010		SPR-C,LOCK	A
	87-064-185-010		HLDR,WIRE	A
	87-084-077-010		NYLON RIVET, 3.5-4.5	A
	87-085-221-010		FOOT,H13.5	A
	87-NF4-216-010		HLDR,LOCK 1	A
	87-NF4-217-110		HLDR,LOCK 2	A
	87-NF4-221-010		HLDR,CABLE	A
	8A-NF7-207-010		HLDR,HT L	A
	8A-NF7-208-010		HLDR,HT R	A
	8A-NF7-209-010		HLDR,PWB-M BTM	A
	8A-NF7-219-010		HLDR,IC2	A
	8A-NF7-225-010		HLDR,PWB PT 85S	A
	8Z-NB8-240-010		COVER, PL	A
	8Z-NB8-254-010		COVER, PL M3	A
	8Z-NF6-210-010		DMPR,150 N	A
*	8A-NF8-206-010		HLDR,PWB M	A
	87-067-581-010		TAPPING SCREW, BVT2+3-15	A
	87-067-641-010		UTT2+3-8(W/O SLOT)BL	A
	87-067-688-010		BVTT+3-6	A
	87-067-703-010		TAPPING SCREW, BVT2+3-10	A
	87-078-191-010		S-SCREW,IT+4-10	A
	87-721-097-410		QT2+3-12 GLD	A
	87-723-096-410		QT2+3-10W/O SLOT BL	A
	87-NF4-224-010		S-SCREW,IT3B+3-8 CU	A
	87-NF5-203-110		GUIDE,FL(*)	A
	8A-NF7-213-010		GUIDE,FUN	A
	8A-NF7-214-010		GUIDE,OPE	A
	87-067-001-010		FW,3.1-5.4-1	A
	87-067-703-010		TAPPING SCREW, BVT2+3-10	A
	85-NF5-617-010		CABLE,FFC 6P-1.25	A
	85-NF5-618-010		CABLE,FFC 13P-1.25	A
	87-A91-422-010		BUSHING,AC CORD(U)	A
	88-906-151-110		FF-CABLE,6P 1.25	A
	88-915-171-110		FF-CABLE, 15P 1.25 170MM	A
PT 101	8A-NFU-621-010		PT,ANF-27 U	A
W 101	87-A80-110-010		AC CORD ASSY,U SPT-2W	A
WH 101	87-A90-459-010		HLDR,WIRE 2.5-5P	A
WH 102	87-A90-460-010		HLDR,WIRE 2.5-7P	A
WH 1	87-A90-510-010		HLDR,WIRE 2.5-9P	A

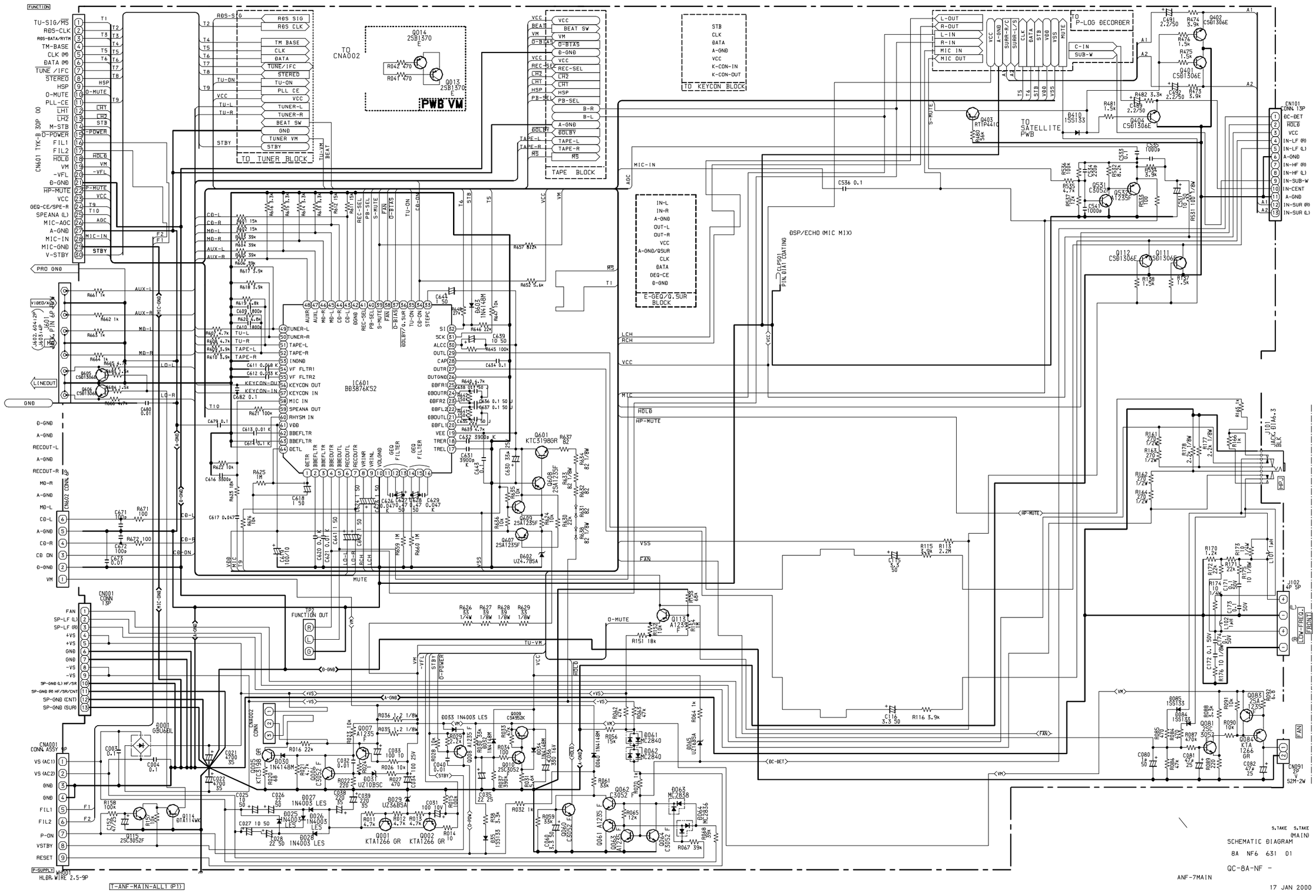
ACCESSORIES / PACKAGE LIST - 1/1

NOTE: The characters in the suffix column indicate the part usage.

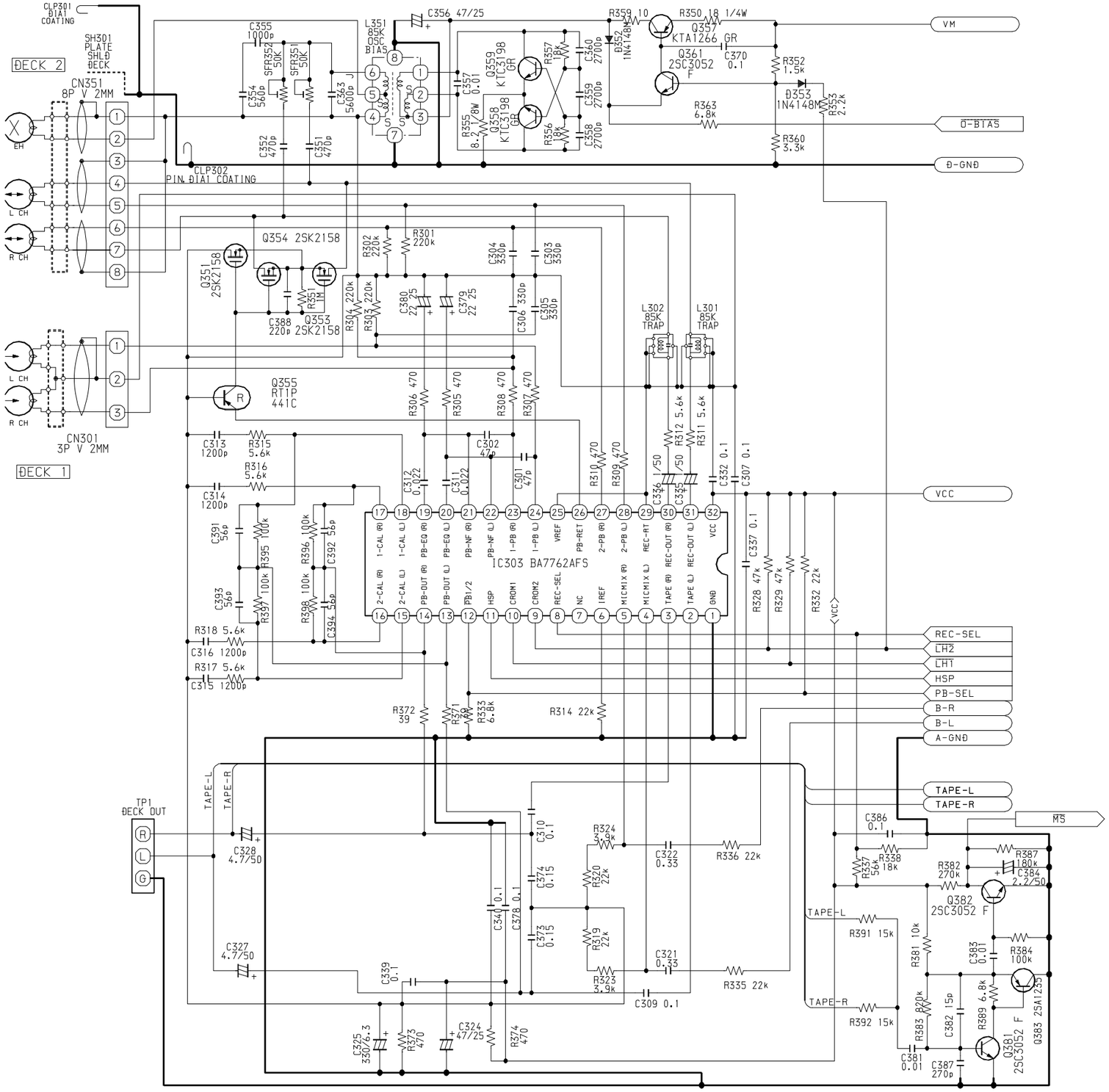
USM .....XX.....A.....

REF.NO	PARTS NO.	KANRI NO.	DESCRIPTION	SUFFIX
	8A-NFU-903-010		IB,U(ESF)M	A.....
	87-006-225-010		AM LOOP ANT NC2	A.....
	87-043-115-010		ANT,FEEDER FM	A.....
	8Z-NFV-702-010		RC UNIT,RC-ZAS05	A.....

SCHEMATIC DIAGRAM – 1 (MAIN 1/4 : AMP SECTION)



SCHEMATIC DIAGRAM – 2 (MAIN 2/4 : DECK SECTION)



	WITH ĐOLBY	W/O_ĐOLBY (R+R)	W/O_ĐOLBY (R+1_1+1)
JR303	C-JR	X	X
JR304	C-JR	X	X
C379	X	22/25	22/50
C380	X	22/50	22/50
C313	1200P	1000P	1500P
C314	1200P	1000P	1500P
R315	4.7K	5.6K	5.6K
R316	4.7K	5.6K	5.6K
C315	1000P	1000P	2200P
C316	1000P	1000P	2200P
R317	5.6K	5.6K	5.6K
R318	5.6K	5.6K	5.6K
C391	270P	56P	56P
C392	270P	56P	56P
C393	270P	56P	56P
C394	270P	56P	56P
R395	X	100K	100K
R396	X	100K	100K
R397	X	100K	100K
R398	X	100K	100K
SFR301	33K	X	X
SFR302	33K	X	X
SFR303	33K	X	X
SFR304	33K	X	X
C317	0.33 BK	C-JR	C-JR
C318	0.33 BK	C-JR	C-JR
R371	4.7K	39	39
R372	4.7K	39	39
C375	0.22/50	X	X
C376	0.22/50	X	X
R375	18K	X	X
JR301	X	C-JR	C-JR
JR302	X	C-JR	C-JR

	WITH ĐOLBY	W/O_ĐOLBY (R+R_R+1_1+1)
IC302	CXA1553P	X
C309	X	0.1
C310	X	0.1
C319	0.22	X
C320	0.22	X
R321	4.7K	X
R322	4.7K	X
SFR305	50K	X
SFR306	50K	X
C371	820P	X
C372	820P	X
C373	1200P	0.15
C374	1200P	0.15
R319	4.7K	22K
R320	4.7K	22K
R323	22K	C-JR
R324	22K	C-JR
C321	0.22	0.33
C322	0.22	0.33
R335	27K	22K
R336	27K	22K
R391	X	15K
R392	X	15K
R385	15K	X
R386	15K	X
R383	470K	820K
C387	X	270P
C382	47P	15P
R389	C-JR	6.8K
Q383	X	2SA1235
C385	3300P	X

	USE BA7762AFS	USE HA12211
Q360	X	2SK2158
R330	X	C-JR
R331	X	33K
JR336	X	C-JR

	EZ K MODEL	EXCEPT EZ K
Q356	2SC3052F	X
R362	4.7K	X
R365	10K	X

	EZ K MODEL	EXCEPT EZ
FB301	EMIBL01RN1	JW

S.TAKE S.TAKE

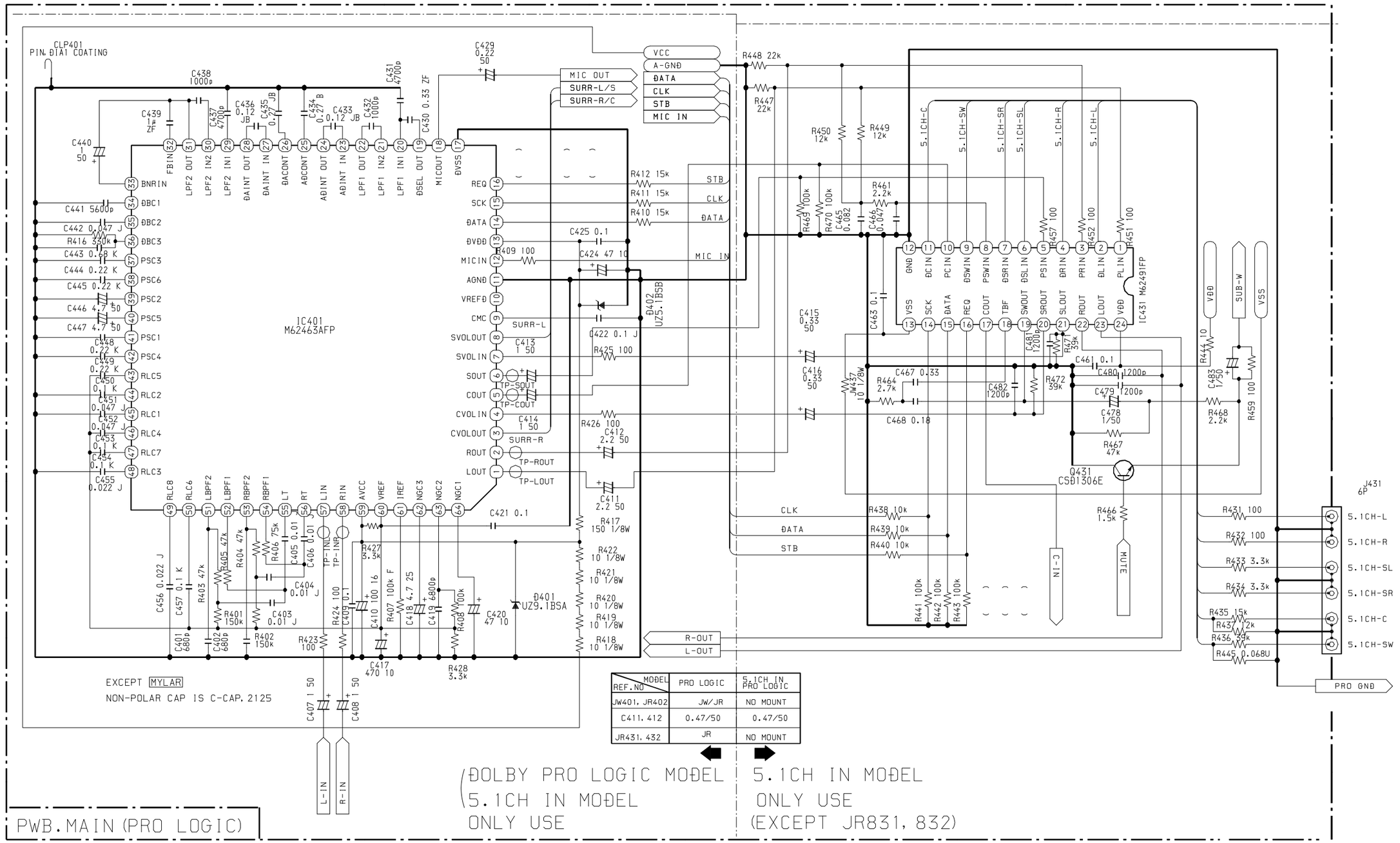
SCHEMATIC ĐIAGRAM (ĐECK)

8A NF6 631 01

T-ANF-MAIN-ALL (P2)

15 ĐEC 1999

SCHEMATIC DIAGRAM – 3 (MAIN 3/4 : PROLOGIC)



REF.NO \ MOĐEL	PRO LOGIC	5.1CH IN PRO LOGIC
JW401, JR402	JW/JR	NO MOUNT
C411, 412	0.47/50	0.47/50
JR431, 432	JR	NO MOUNT

T-ANF-MAIN-ALL (P4)

S.TAKE T.SHIMIZU

SCHEMATIC ĐIAGRAM

8A NF6 631 01

QC-8A-NF*-

ANF-PROLOGIC

21 JAN 2000

SCHEMATIC DIAGRAM – 4 (MAIN 4/4 : TUNER SECTION)

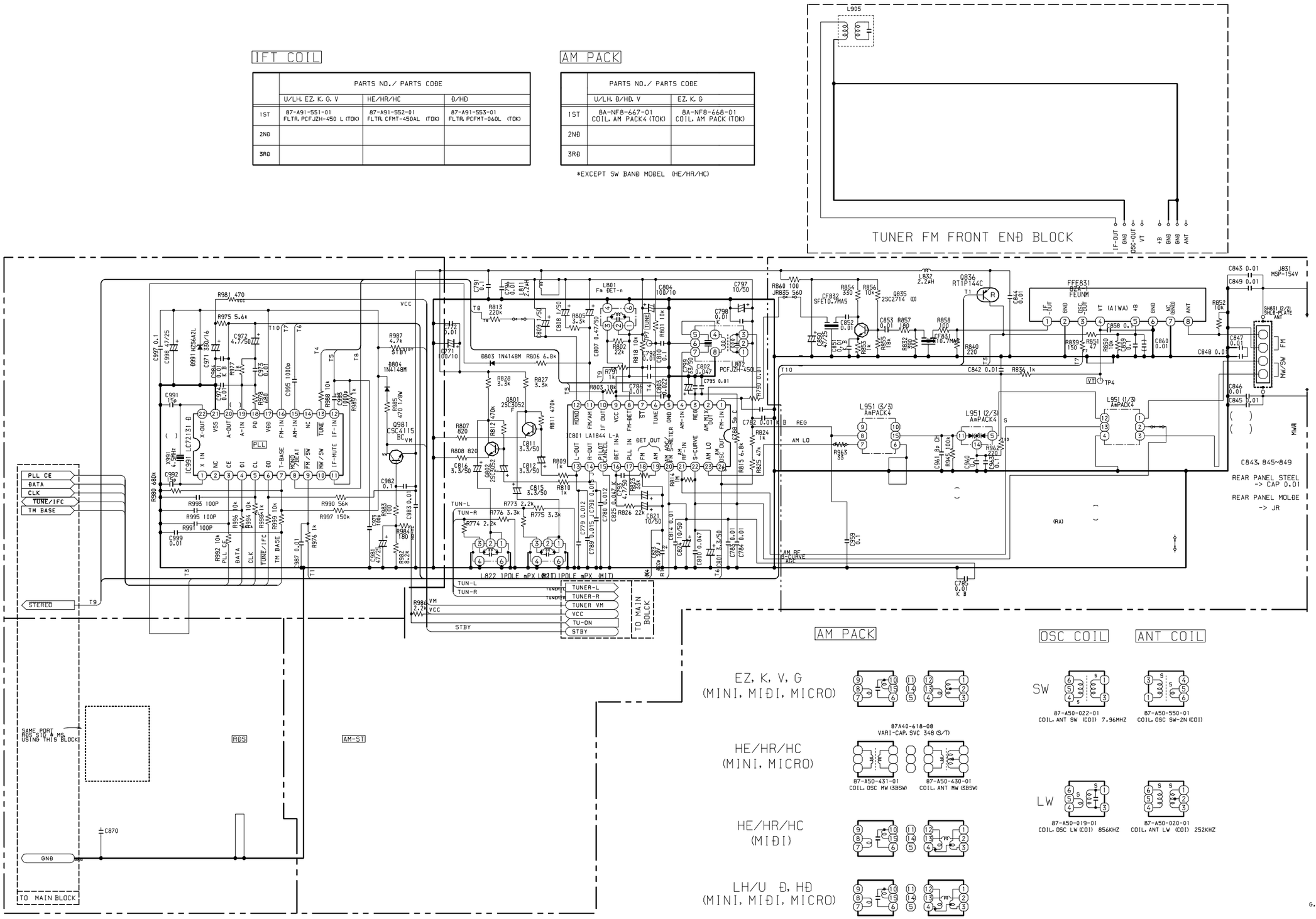
IFT COIL

	PARTS NO./ PARTS CODE		
	U/LH, EZ, K, G, V	HE/HR/HC	Ð/HÐ
1ST	87-A91-551-01 FLTR, PCFJZH-450 L (TOK)	87-A91-552-01 FLTR, CFMT-450AL (TOK)	87-A91-553-01 FLTR, PCFMT-060L (TOK)
2NÐ			
3RÐ			

AM PACK

	PARTS NO./ PARTS CODE	
	U/LH, Ð/HÐ, V	EZ, K, G
1ST	8A-NF8-667-01 COIL, AM PACK4 (TOK)	8A-NF8-668-01 COIL, AM PACK (TOK)
2NÐ		
3RÐ		

*EXCEPT SW BANÐ MODEL (HE/HR/HC)



AM PACK

EZ, K, V, G
(MINI, MIÐI, MICRO)

HE/HR/HC
(MINI, MICRO)

87A40-618-08
VARI-CAP, SVC 348 (S/T)

87-A50-431-01
COIL, OSC MW (SBSW)

87-A50-430-01
COIL, ANT MW (SBSW)

HE/HR/HC
(MIÐI)

LH/U Ð, HÐ
(MINI, MIÐI, MICRO)

OSC COIL

SW

87-A50-022-01
COIL, ANT SW (CDI) 7.96MHZ

LW

87-A50-019-01
COIL, OSC LW (CDI) 856KHZ

ANT COIL

SW

87-A50-550-01
COIL, OSC SW-2N (CDI)

LW

87-A50-020-01
COIL, ANT LW (CDI) 252KHZ

G.TAKEZAWA

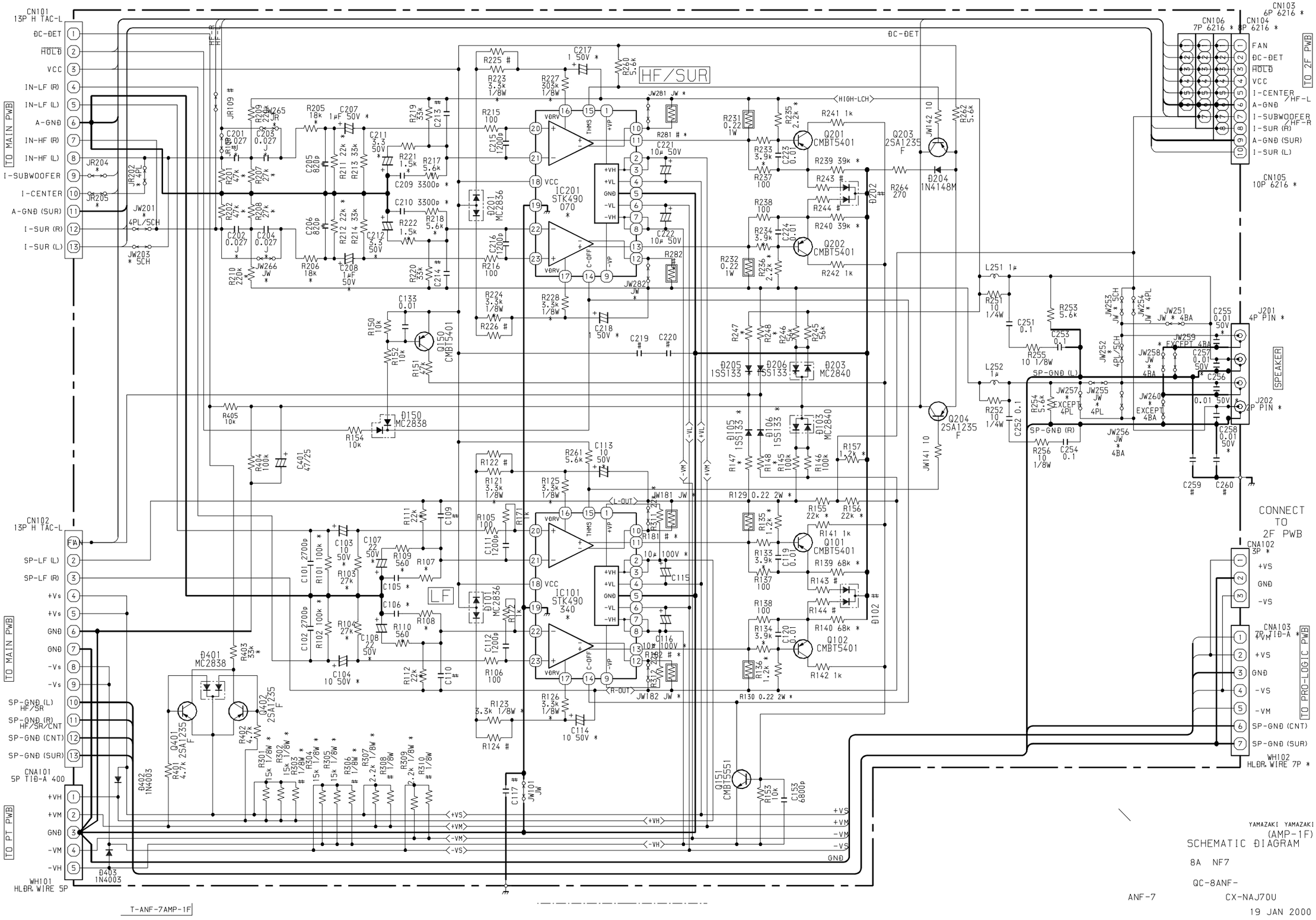
(TUNER)
SCHEMATIC ÐIAGRAM

T-ANF-TUNER-HIGH

ANF-6HIGH-ALL

29 ÐEC 1999

SCHEMATIC DIAGRAM – 5 (AMP)



YAMAZAKI YAMAZAKI

(AMP-1F)

SCHEMATIC ÐIAGRAM

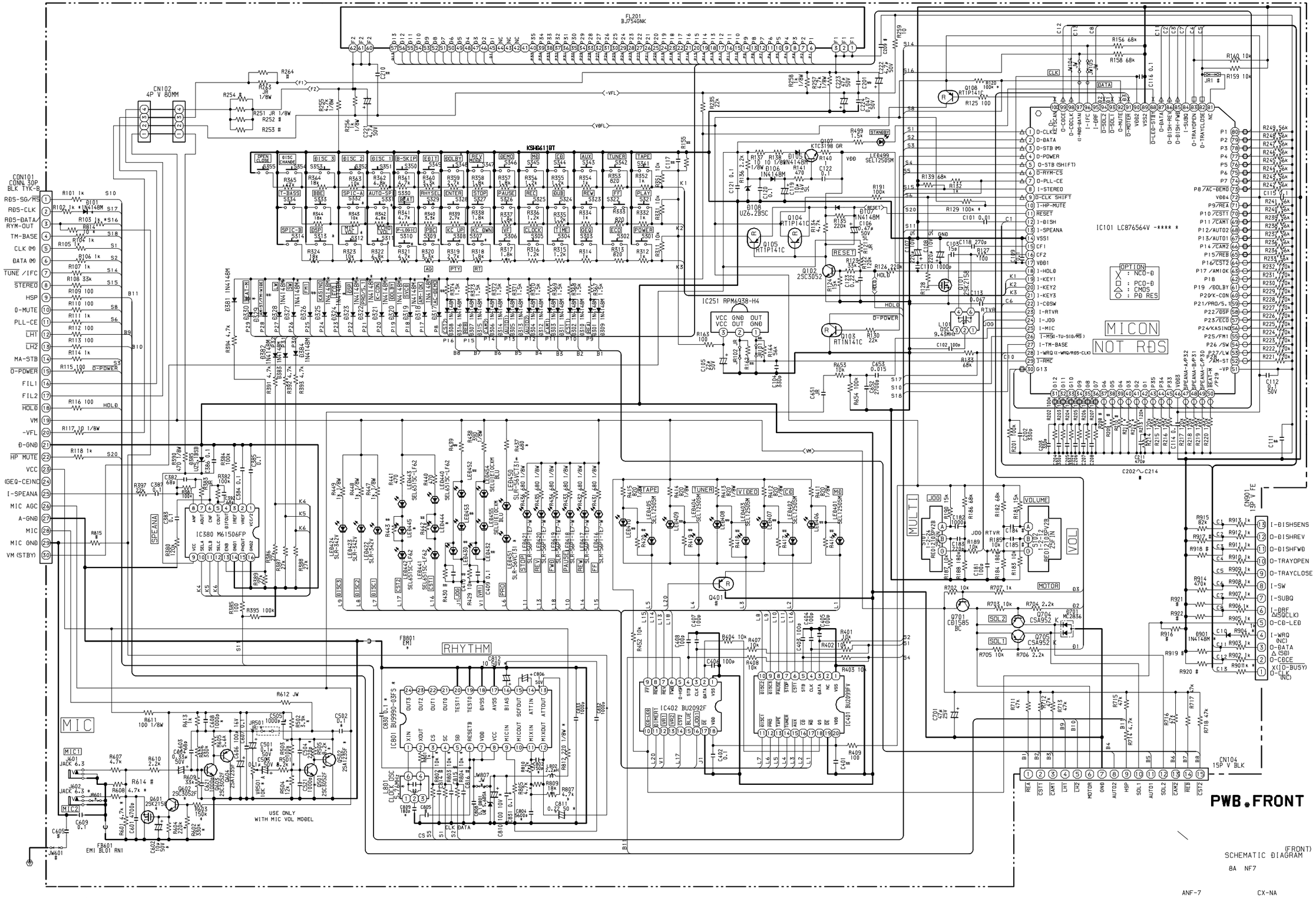
8A NF7

QC-8ANF-

ANF-7 CX-NAJ70U

19 JAN 2000

SCHEMATIC DIAGRAM – 6 (FRONT)



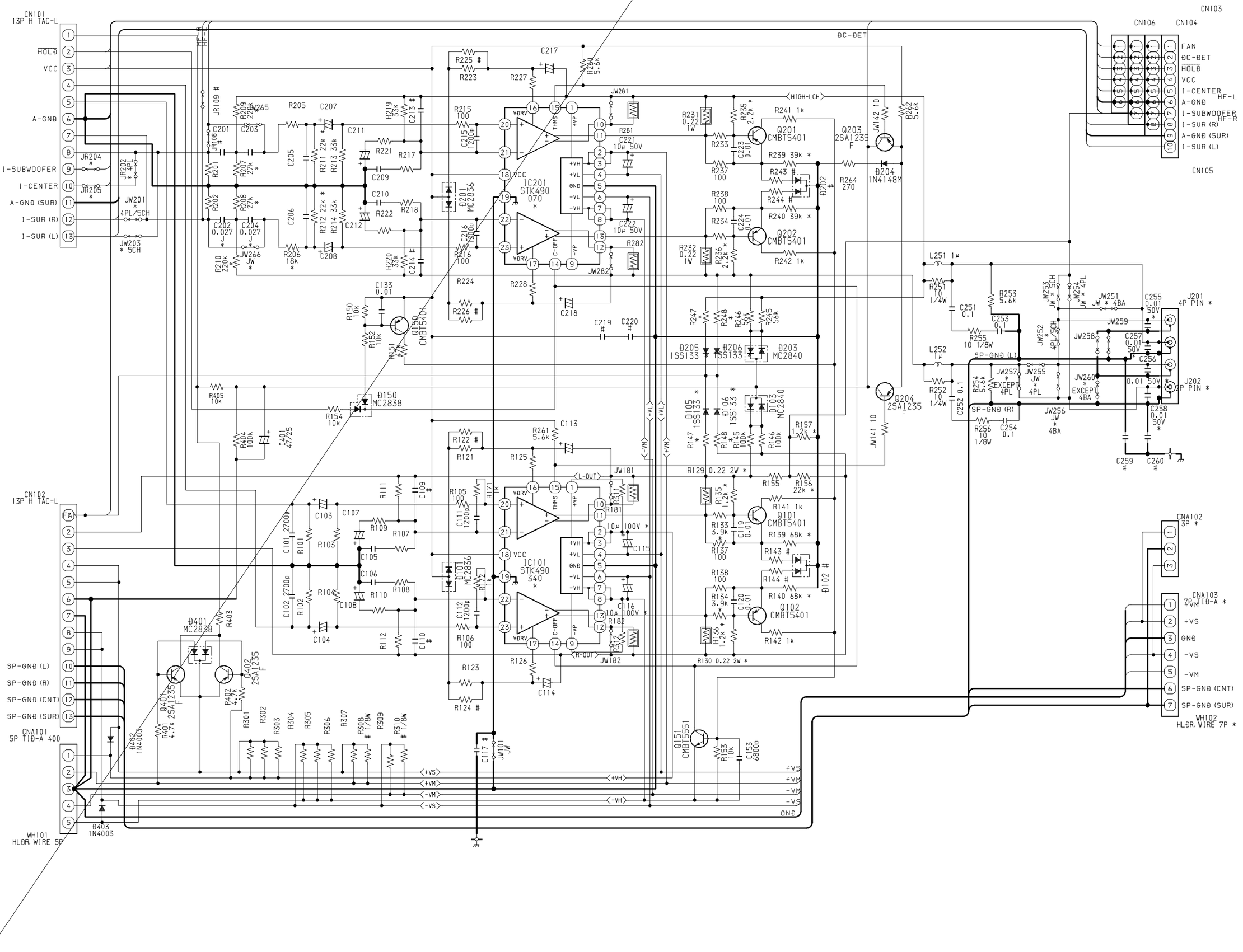
SCHEMATIC DIAGRAM – 7 (FRONT TABLE)

	(1) U	(2) HR	(3) 72/73EZ	(4) LH	(5) K, 70EZ	(6) H7	(7) 27U	(8) HS
C206	220p	220p	220p	220p	220p	220p	220p	220p
C501	0.1/50	#	#	0.1 50	0.1/50	#	#	#
C502	0.1	#	#	0.1	0.1	#	#	#
C503	0.1/50	#	#	0.1 50	0.1/50	#	#	#
C504	220p	#	#	220p	220p	#	#	#
C505	1000p	#	#	1000p	1000p	#	#	#
C521	1000p	#	#	1000p	1000p	#	#	#
C602	#	10/50	10/50	#	#	10/50	10/50	10/50
C608	#	1000p	1000p	#	#	1000p	1000p	1000p
C802	#	150p	#	150p	#	150p	#	150p
C804	#	5600p	#	5600p	#	5600p	#	5600p
C806	#	1 50	#	1 50	#	1 50	#	1 50
C808	#	0.1	#	0.1	#	0.1	#	0.1
C809	#	180p	#	180p	#	180p	#	180p
C810	#	100 10	#	100 10	#	100 10	#	100 10
C811	#	0.22 50	#	0.22 50	#	0.22 50	#	0.22 50
C812	#	10 50	#	10 50	#	10 50	#	10 50
C830	#	0.1	#	0.1	#	0.1	#	0.1
C831	#	0.1	#	0.1	#	0.1	#	0.1
C832	#	1000p	#	1000p	#	1000p	#	1000p
C833	#	1000p	#	1000p	#	1000p	#	1000p
D101	#	#	1N4148M	#	#	#	#	#
D318	1N4148	#	#	1N4148M	#	#	1N4148	#
D319	#	#	#	#	#	#	#	#
D320	#	#	1N4148M	#	1N4148M	#	#	#
D321	#	#	#	#	#	1N4148M	#	#
D322	#	#	#	#	#	#	1N4148	#
D323	1N4148	#	#	1N4148M	1N4148	#	#	#
D324	#	1N4148M	#	1N4148M	#	1N4148M	#	1N4148M
D325	#	1N4148M	#	1N4148M	#	1N4148M	#	1N4148M
D327	#	1N4148M	#	#	#	1N4148M	#	#
D328	#	#	1N4148M	#	1N4148M	#	#	#
D330	1N4148	#	1N4148	#	1N4148	#	1N4148	#
D801	#	UZ5.6BSA	#	UZ5.6BSA	#	UZ5.6BSA	#	UZ5.6BSA
D901	JW	JW	1N4148M	JW	JW	#	JW	JW
FB801	JW	EMI BL01RN1	JW	EMI BL01RN1	JW	EMI BL01RN1	JW	EMI BL01RN1
IC101	LC876564V -5P35	LC876564V -5P35	LC876572V -5P39	LC876564V -5P35	LC876564V -5P35	LC876564V -***	LC876572V -5P39	LC876564V -5P35
IC801	#	BU9990-03FS	#	BU9990-03FS	#	BU9990-03FS	#	BU9990-03FS
J602	#	JACK 6.3	JACK 6.3	#	#	JACK 6.3	JACK 6.3	JACK 6.3
JR501	#	JR	JR	#	#	JR	JR	JR
JR601	#	JR	JR	#	#	JR	JR	JR
JW807	#	2.2UH	#	JW	#	2.2UH	#	2.2UH
L801	#	CLOCK OSC 5.76MHz	#	CLOCK OSC 5.76MHz	#	CLOCK OSC 5.76MHz	#	CLOCK OSC 5.76MHz
L802	#	JW	#	2.2uH	#	JW	#	JW
LED444	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62
LED445	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62	SEL6515C-LP62
LED450	#	#	#	#	#	#	SLR-56VCT31	#
LED451	#	#	#	#	#	#	SLR-56VCT31	#
Q501	2SC3052F	#	#	2SC3052F	2SC3052F	#	#	#

	(1) U	(2) HR	(3) 72/73EZ	(4) LH	(5) K, 70EZ	(6) H7	(7) 27U	(8) HS
Q502	2SA1235F	#	#	2SA1235F	2SA1235F	#	#	#
Q601	#	2SK2158	2SK2158	#	#	2SK2158	2SK2158	2SK2158
Q602	#	2SC3052F	2SC3052F	#	#	2SC3052F	2SC3052F	2SC3052F
R102	#	#	1k	#	#	#	#	#
R103	#	#	1k	#	#	#	#	#
R120	#	#	#	#	#	#	10k	#
R129	#	#	#	#	#	#	100k	#
R211	220P	220P	220P	220P	220P	220P	220P	220P
R212	220P	220P	220P	220P	220P	220P	220P	220P
R317	#	1.8k	1.8k	1.8k	#	1.8k	1.8k	1.8k
R318	#	1.8k	1.8k	1.8k	#	1.8k	1.8k	1.8k
R319	#	2.7k	2.7k	2.7k	#	2.7k	2.7k	2.7k
R320	#	3.3k	3.3k	3.3k	#	3.3k	3.3k	3.3k
R321	#	4.7k	4.7k	4.7k	#	4.7k	4.7k	4.7k
R322	#	6.8k	6.8k	6.8k	#	6.8k	6.8k	6.8k
R323	#	10k	10k	10k	#	10k	10k	10k
R324	#	18k	#	18k	#	18k	#	18k
R437	#	#	#	#	#	#	560	#
R501	8.2k	#	#	8.2k	#	#	#	#
R502	3.9k	#	#	3.9k	#	#	#	#
R503	100k	#	#	100k	#	#	#	#
R504	12k	#	#	12k	#	#	#	#
R505	8.2k	#	#	8.2k	#	#	#	#
R601	4.7k	#	#	4.7k	#	#	#	#
R602	#	330k	330k	#	#	330k	330k	330k
R603	#	150k	150k	#	#	150k	150k	150k
R604	#	220k	220k	#	#	220k	220k	220k
R608	#	4.7k	4.7k	#	#	4.7k	4.7k	4.7k
R801	#	1k	#	1k	#	1k	#	1k
R802	#	10k	#	10k	#	10k	#	10k
R803	#	10k	#	10k	#	10k	#	10k
R804	#	10k	#	10k	#	10k	#	10k
R805	#	10k	#	10k	#	10k	#	10k
R807	#	4.7k	#	4.7k	#	4.7k	#	4.7k
R809	#	18k	#	18k	#	18k	#	18k
R810	#	4.7k	#	4.7k	#	4.7k	#	4.7k
R812	#	220 1/8W	#	220 1/8W	#	220 1/8W	#	220 1/8W
R814	#	10	#	10	#	10	#	10
R901	1k	1k	1k	1k	1k	#	1k	1k
R904	1k	1k	1k	1k	1k	#	1k	1k
S307	#	#	KSHG611BT	#	#	KSHG611BT	#	#
S308	#	#	KSHG611BT	#	#	KSHG611BT	#	#
S309	#	#	KSHG611BT	#	#	KSHG611BT	#	#
S310	#	#	#	#	#	#	KSHG611BT	#
S311	#	KSHG611BT	KSHG611BT	#	#	KSHG611BT	KSHG611BT	KSHG611BT
S312	#	KSHG611BT	KSHG611BT	#	#	KSHG611BT	KSHG611BT	KSHG611BT
S313	#	KSHG611BT	KSHG611BT	#	#	KSHG611BT	KSHG611BT	KSHG611BT
S314	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT
S329	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT

	(1) U	(2) HR	(3) 72/73EZ	(4) LH	(5) K, 70EZ	(6) H7	(7) 27U	(8) HS
S330	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT
S331	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT
S332	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT	#	KSHG611BT
S348	#	#	KSHG611BT	#	KSHG611BT	#	#	#
VR501	10K A	#	#	10KA	10K A	#	#	#

SCHEMATIC DIAGRAM – 8 (1F AMP)



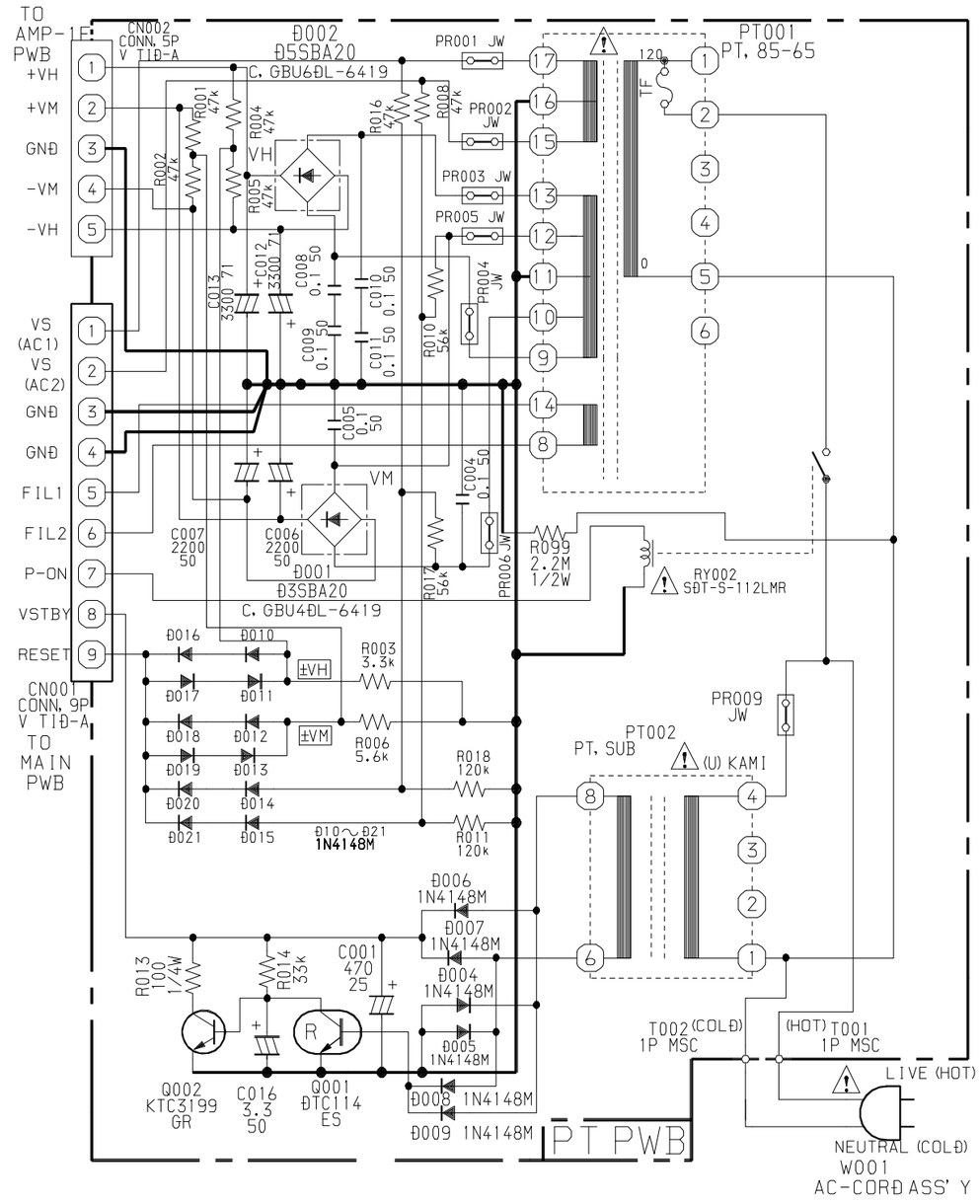
SCHEMATIC DIAGRAM – 9 (1F AMP TABLE)

	(1) 7U/EZK	(2) 7HR/LH	(3) 27U
C103	0.22 50V	0.22 50V	0.33 50V
C104	0.22 50V	0.22 50V	0.33 50V
C105	#	#	4700p
C106	#	#	4700p
C107	10 50V	10 50V	3.3 50V
C108	10 50V	10 50V	3.3 50V
C113	10 50	10 50V	10 50V
C114	10 50	10 50V	10 50V
C115	10 63	10 63	10 100
C116	10 63	10 63	10 100
C201	0.027	0.027	JW
C202	0.027	0.027	#
C203	0.027	0.027	JW
C204	0.027	0.027	#
C205	1500p	1500p	2700p
C206	1500p	1500p	2700p
C207	1 50	1 50	4.7 50
C208	1 50	1 50	4.7 50
C209	5600p	5600p	#
C210	5600p	5600p	#
C211	2.2 50	2.2 50	47 25
C212	2.2 50	2.2 50	47 25
C217	3.3 50V	3.3 50V	10 50V
C218	3.3 50V	3.3 50V	10 50V
C255	0.01 50V	0.01 50V	#
C256	0.01 50V	0.01 50V	#
C257	0.01 50V	0.01 50V	#
C258	0.01 50V	0.01 50V	#
CN103	#	#	6P V FE
CN104	#	#	#
CN105	#	#	#
CN106	#	#	#
CNA102	#	#	#
CNA103	#	#	7P
D105	#	#	#
D106	#	#	#
D205	#	#	#
D206	#	#	#
IC101	STK490-110	STK490-340	STK490-140
IC201	STK490-040	STK490-070	STK490-070
J201	PIN 4P	PIN 4P	PIN 4P
J202	#	#	#
JR202	#	#	#
JR204	#	#	JR
JR205	#	#	JR
JW181	JW	JW	#
JW182	JW	JW	#
JW201	#	#	JW
JW203	#	#	JW

	(1) 7U/EZK	(2) 7HR/LH	(3) 27U
JW251	JW	JW	#
JW252	#	#	JW
JW253	#	#	JW
JW254	#	#	#
JW255	#	#	#
JW256	JW	JW	#
JW257	JW	JW	JW
JW258	JW	JW	#
JW259	#	#	JW
JW260	#	#	JW
JW265	#	#	JW
JW266	#	#	JW
JW281	JW	JW	JW
JW282	JW	JW	JW
R101	39k	39k	15k
R102	39k	39k	15k
R103	27k	27k	22k
R104	27k	27k	22k
R107	#	#	2.2k
R108	#	#	2.2k
R109	820	820	1k
R110	820	820	1k
R111	27k	27k	22k
R112	27k	27k	22k
R121	3.3k 1/8W	3.3k 1/8W	3.3k 1/8W
R123	3.3k 1/8W	3.3k 1/8W	3.3k 1/8W
R125	3.3k 1/8W	3.3k 1/8W	3.3k 1/8W
R126	3.3k 1/8W	3.3k 1/8W	3.3k 1/8W
R129	0.15 2W	0.15 2W	0.15 2W
R130	0.15 2W	0.15 2W	0.15 2W
R133	2.7k	2.7k	1.8k
R134	2.7k	2.7k	1.8k
R135	1k	1.5k	2.2k
R136	1k	1.5k	2.2k
R139	15k	15k	15k
R140	15k	15k	15k
R147	#	#	#
R148	#	#	#
R155	#	#	#
R156	#	#	#
R157	#	#	#
R181	#	#	0.15 2W
R182	#	#	0.15 2W
R201	47k	47k	#
R202	47k	47k	#
R205	10k	10k	JR
R206	10k	10k	JR
R207	22k	22k	#
R208	22k	22k	#

	(1) 7U/EZK	(2) 7HR/LH	(3) 27U
R209	180k	180k	#
R210	180k	180k	#
R211	39k	39k	47k
R212	39k	39k	47k
R217	2.2k	2.2k	#
R218	2.2k	2.2k	#
R221	1.8k	1.8k	220
R222	1.8k	1.8k	220
R223	3.3k 1/8W	3.3k 1/8W	3.3k 1/8W
R224	3.3k 1/8W	3.3k 1/8W	3.3k 1/8W
R227	3.3k 1/8W	3.3k 1/8W	3.3k 1/8W
R228	3.3k 1/8W	3.3k 1/8W	3.3k 1/8W
R233	3.9k	3.3k	3.3k
R234	3.9k	3.3k	3.3k
R235	1.2k	1.8k	1.5k
R236	1.2k	1.8k	1.5k
R239	10k	10k	12k
R240	10k	10k	12k
R247	#	#	#
R248	#	#	#
R281	#	#	#
R282	#	#	#
R301	#	15k	15k
R302	#	15k	15k
R303	# 8/1W	15k	15k
R304	#	15k	15k
R305	#	#	#
R306	# 1/8W	#	#
R307	#	#	#
R309	#	#	#
R311	#	22k	22k
R312	#	#	#
R403	33k	33k	1k
WH102	#	#	HLDR, WIRE 7P

SCHEMATIC DIAGRAM – 9 (PT)



YAMAZAKI YAMAZAKI

SCHEMATIC ÐIAGRAM(PT)

8A NF7 615 01

ANF-27 U CX-NHMA75 U

12 JAN 2000

B-ANF-27PT-U

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)
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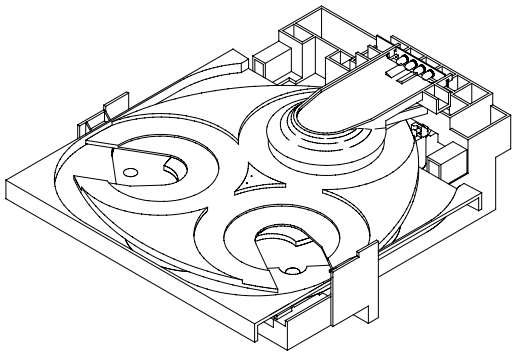
aiwa SERVICE

AZG-1

English



SERVICE MANUAL

CD-R/RW MECHANISM

BASIC CD MECHANISM:KSM-880CAB

TYPE
ZD8RD
YZD8RMDJM
ZD8RMDJM
ZD8RDNDM
YKZD8RDF
ZD8RDM
YZD8RDM
ZD8RN1DM
YZD8RDJM

aiwa

S/M Code No. 09-001-335-3N6

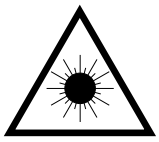
DATA

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

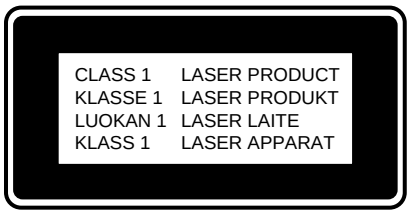
ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

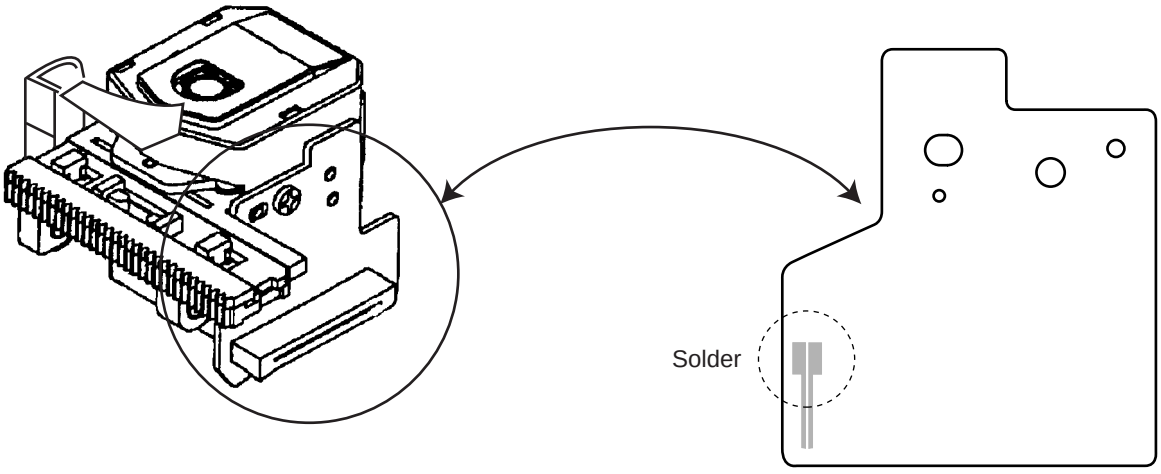
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



Precaution to replace Optical block

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

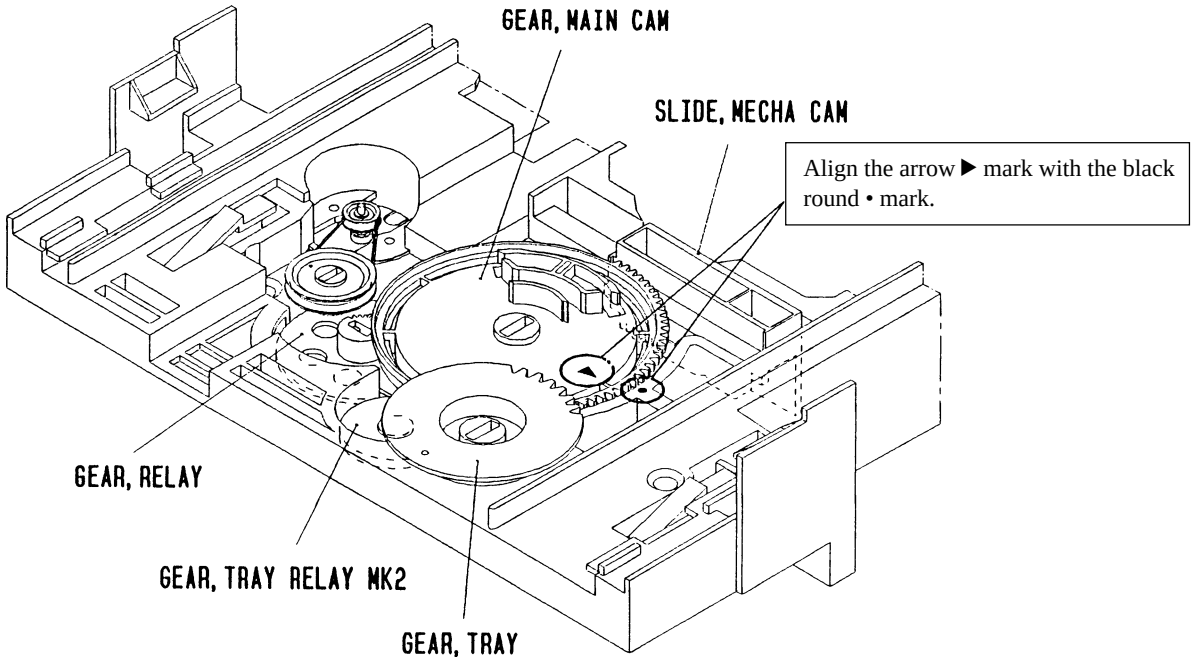
1) After the connection, remove solder shown in the figure below.



How to Adjust the Rotating Phase of the Gear, Main Cam

1) Push down the hooking catch of the CHAS. MECH, and remove the TRAY.
2) Align the arrow mark of the Gear, Main Cam with the black round mark of the CHAS, MECHA as shown below.
3) Confirm that the Slide, Mech Cam is located in the right position, then insert the TRAY gently.

Caution: If the rotating phase of the Gear, Main Cam is incorrectly adjusted, the chucking operation and tray movement will have malfunction.



ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

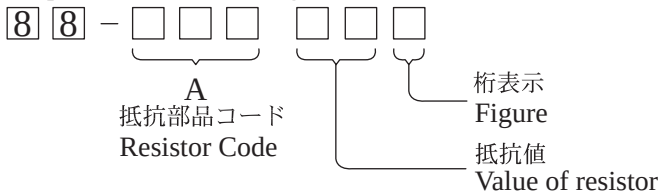
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A21-381-040		C-IC,LA9235M
	87-A21-556-010		C-IC,LC78641E
	87-A21-414-010		IC,BA5927S
TRANSISTOR			
	87-026-609-080		TR,KTA1266GR
	87-A30-076-080		C-TR,2SC3052F
	87-A30-497-080		TR,2SA1980Y/G
	87-A30-087-080		C-FET,2SK2158
	87-026-237-080		CHIP-TR,DTC124XK <EXCEPT ZD8RN1DM,YZD8RDM>
	87-A30-075-080		C-TR,2SA1235F
DIODE			
	87-A40-270-080		C-DIODE,MC2838
	87-070-136-080		ZENER,MTZJ5.1B
	87-A40-003-080		ZENER,MTZJ4.3A
	87-A40-337-080		ZENER,MTZJ6.8B
	87-A40-313-080		C-DIODE,MC2840
3CD C.B			
C1	87-010-374-080		CAP,E 47-10
C2	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C2	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C3	87-010-260-080		CAP, ELECT 47-25V
C4	87-010-260-080		CAP, ELECT 47-25V
C5	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C5	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C6	87-010-405-080		CAP, ELECT 10-50V
C7	87-010-263-080		CAP, ELECT 100-10V
C8	87-012-349-080		C-CAP,S 1000P-50 CH
C10	87-010-546-080		CAP,E 0.33-50
C11	87-010-401-080		CAP, ELECT 1-50V
C13	87-010-321-020		C-CAP,S 82P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C13	87-010-321-080		C-CAP,S 82P-50 J CH <YKZD88RDF,ZD8RD>
C15	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C15	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C16	87-010-260-080		CAP, ELECT 47-25V
C101	87-010-992-080		C-CAP,S 0.047-25 B
C102	87-010-401-080		CAP, ELECT 1-50V
C103	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C103	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C104	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C104	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C105	87-010-260-080		CAP, ELECT 47-25V
C106	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C106	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C107	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C107	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C108	87-010-186-080		CAP,CHIP 4700P<YKZD88RDF,ZD8RD>
C108	87-010-186-020		CAP,CHIP 4700P <EXCEPT YKZD88RDF,ZD8RD>
C109	87-010-992-080		C-CAP,S 0.047-25 B
C110	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C110	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C111	87-010-260-080		CAP, ELECT 47-25V
C112	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C112	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C114	87-010-260-080		CAP, ELECT 47-25V
C115	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C115	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C116	87-010-260-080		CAP, ELECT 47-25V
C117	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C117	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C118	87-010-260-080		CAP, ELECT 47-25V
C119	87-015-819-080		
C120	87-010-312-080		C-CAP,S 15P-50 CH <YKZD88RDF,ZD8RD>
C120	87-010-312-020		C-CAP,S 15P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C121	87-010-312-020		C-CAP,S 15P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C121	87-010-312-080		C-CAP,S 15P-50 CH <YKZD88RDF,ZD8RD>
C122	87-010-404-080		CAP, ELECT 4.7-50V
C123	87-010-197-020		CHIP CAPACITOR,0.01-25 <EXCEPT YKZD88RDF,ZD8RD>
C123	87-010-197-080		CHIP CAPACITOR,0.01-25 <YKZD88RDF,ZD8RD>
C124	87-010-401-080		CAP, ELECT 1-50V
C126	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C126	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C128	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C128	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C130	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C130	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C132	87-010-405-080		CAP, ELECT 10-50V
C133	87-010-314-020		C-CAP,S 22P-50V <EXCEPT YKZD88RDF,ZD8RD>
C133	87-010-314-080		C-CAP,S 22P-50V<YKZD88RDF,ZD8RD>
C135	87-A11-088-080		CAP,TC U 100P-50 J CH
C151	87-010-405-080		CAP, ELECT 10-50V
C152	87-010-405-080		CAP, ELECT 10-50V
C192	87-012-349-080		C-CAP,S 1000P-50 CH
C193	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C193	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C201	87-A10-730-080		CAP,E 1000-16 SMG
C202	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C202	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C204	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C204	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C205	87-010-405-080		CAP, ELECT 10-50V
C206	87-010-405-080		CAP, ELECT 10-50V
C207	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C207	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C301	87-010-382-080		CAP, ELECT 22-25V
C302	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C302	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C303	87-010-260-080		CAP, ELECT 47-25V
C401	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C401	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C402	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C402	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C403	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C403	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C404	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C404	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C405	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C405	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C406	87-010-322-020		C-CAP,S 100P-50 CH <EXCEPT YKZD88RDF,ZD8RD>
C406	87-010-322-080		C-CAP,S 100P-50 CH <YKZD88RDF,ZD8RD>
C407	87-010-405-080		CAP, ELECT 10-50V
C454	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
C454	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C601	87-010-260-080		CAP, ELECT 47-25V
C602	87-010-196-080		CHIP CAPACITOR,0.1-25 <YKZD88RDF,ZD8RD>
C602	87-010-196-020		CHIP CAPACITOR,0.1-25 <EXCEPT YKZD88RDF,ZD8RD>
CN1	87-A60-429-010		CONN,16P H TOC-A
CN201	84-ZG1-648-010		CONN ASSY,6P
CN202	87-A60-130-010		CONN,5P V
CN501	84-ZG1-647-010		CONN ASSY,2P <EXCEPT ZD8RN1DM,ZD8RNDM>
CN601	87-009-345-010		CONN,2P PH V <EXCEPT ZD8RN1DM,ZD8RDM,YZD8RDM,ZD8RNDM>
CON401	87-099-030-010		CONN,13P 6216H
FB601	87-008-372-080		FLTR,EMI BL01 RN1 <EXCEPT ZD8RN1DM,ZD8RDM,YZD8RDM,ZD8RNDM>
FB602	87-008-372-080		FLTR,EMI BL01 RN1
LED601	87-A40-558-010		LED,SLZ-8128A-01-A
M201	87-045-305-010		MOTOR, RF-500TB DC-5V (2MA)
SW201	87-036-109-010		SW,MICRO SPPB61
SW202	87-036-109-010		SW,MICRO SPPB61
X101	87-A70-046-010		VIB,XTAL 16.934MHZ
LED. C.B			
LED501	87-A40-263-080		LED,SLH-56PCT31 GRN <EXCEPT ZD8RN1DM,ZD8RNDM>
LED502	87-A40-263-080		LED,SLH-56PCT31 GRN <EXCEPT ZD8RN1DM,ZD8RNDM>
LED503	87-A40-268-080		LED,SLH-56DCT31 ORN <EXCEPT ZD8RN1DM,ZD8RNDM>
LED504	87-A40-268-080		LED,SLH-56DCT31 ORN <EXCEPT ZD8RN1DM,ZD8RNDM>
T-T C.B			
C401	87-018-214-080		CAP TC U 0.1-50F
CON401	86-NFZ-675-010		CONN,5P H 6216-11H
M401	87-045-364-010		MOTOR(BCH3B14)
PS401	87-026-573-010		SNSR,PHOTO GP1S53V
MOTOR C.B			
PIN3	91-564-722-110		CONN,PIN 6P
SW1	91-572-085-110		LEAF SWITCH

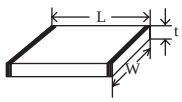
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

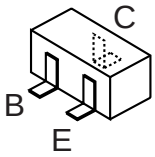
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

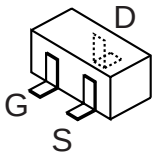
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード : A Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION

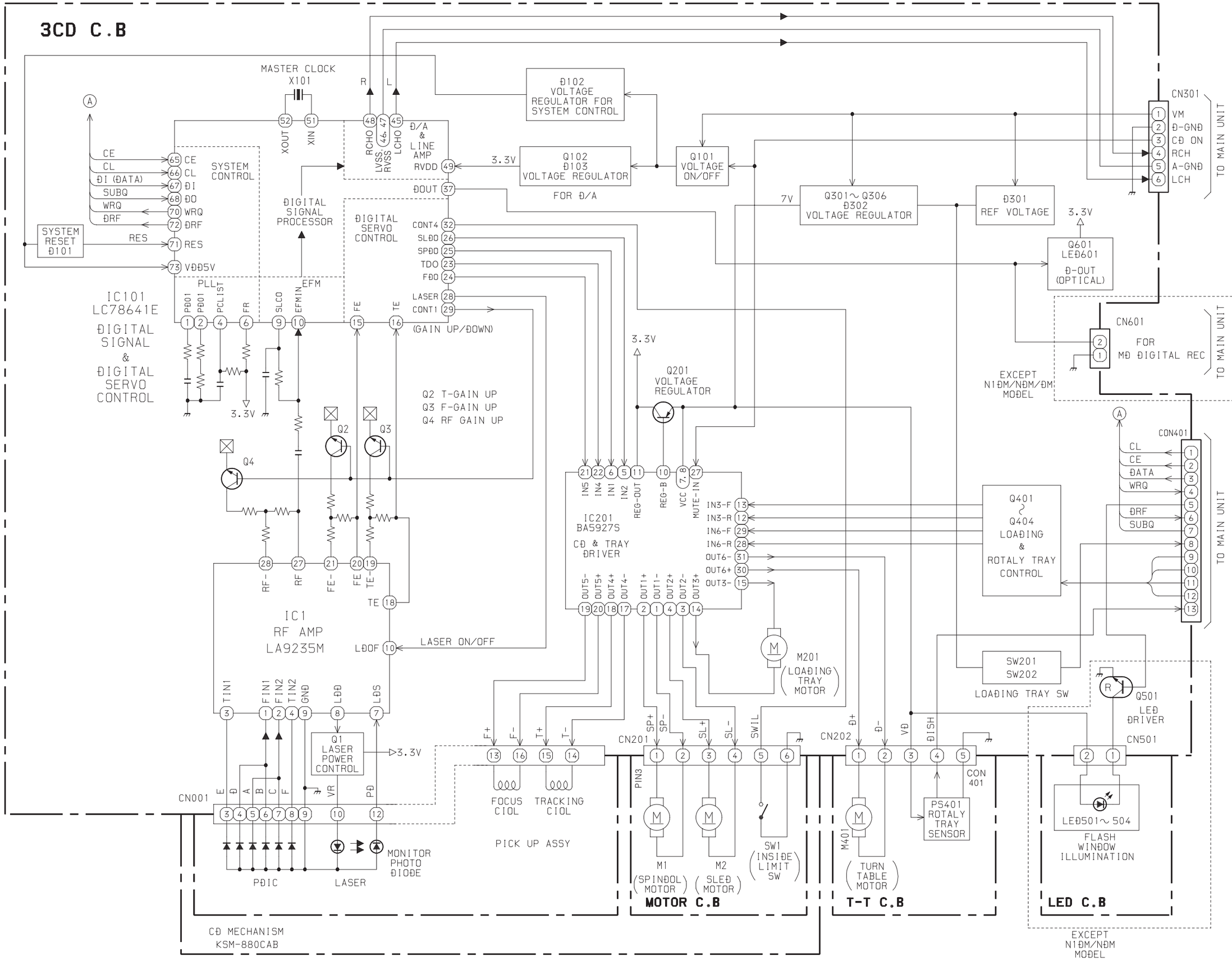


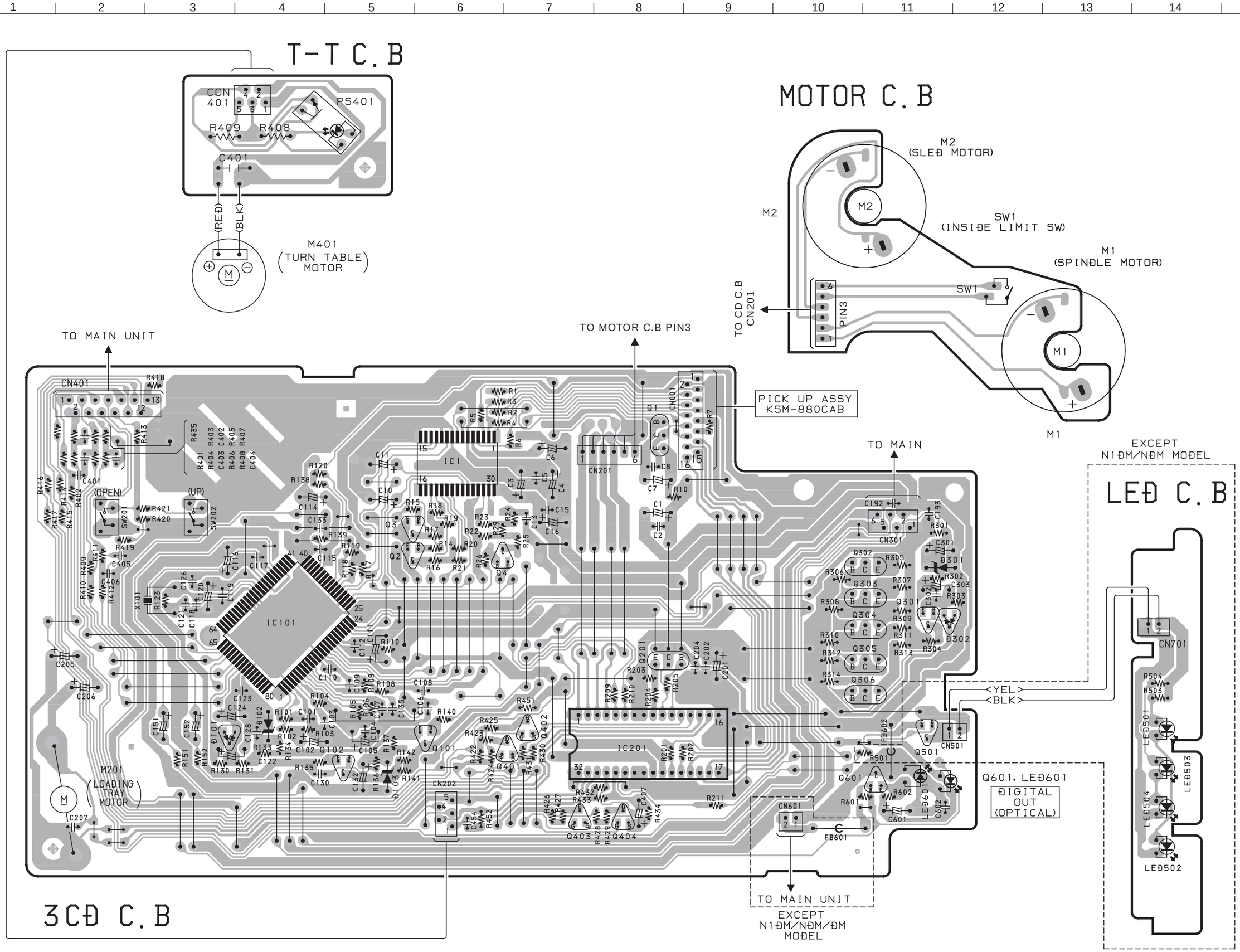
2SA1235F
2SC3052F
DTC124XK

2SA1980Y/G
KTA1266GR

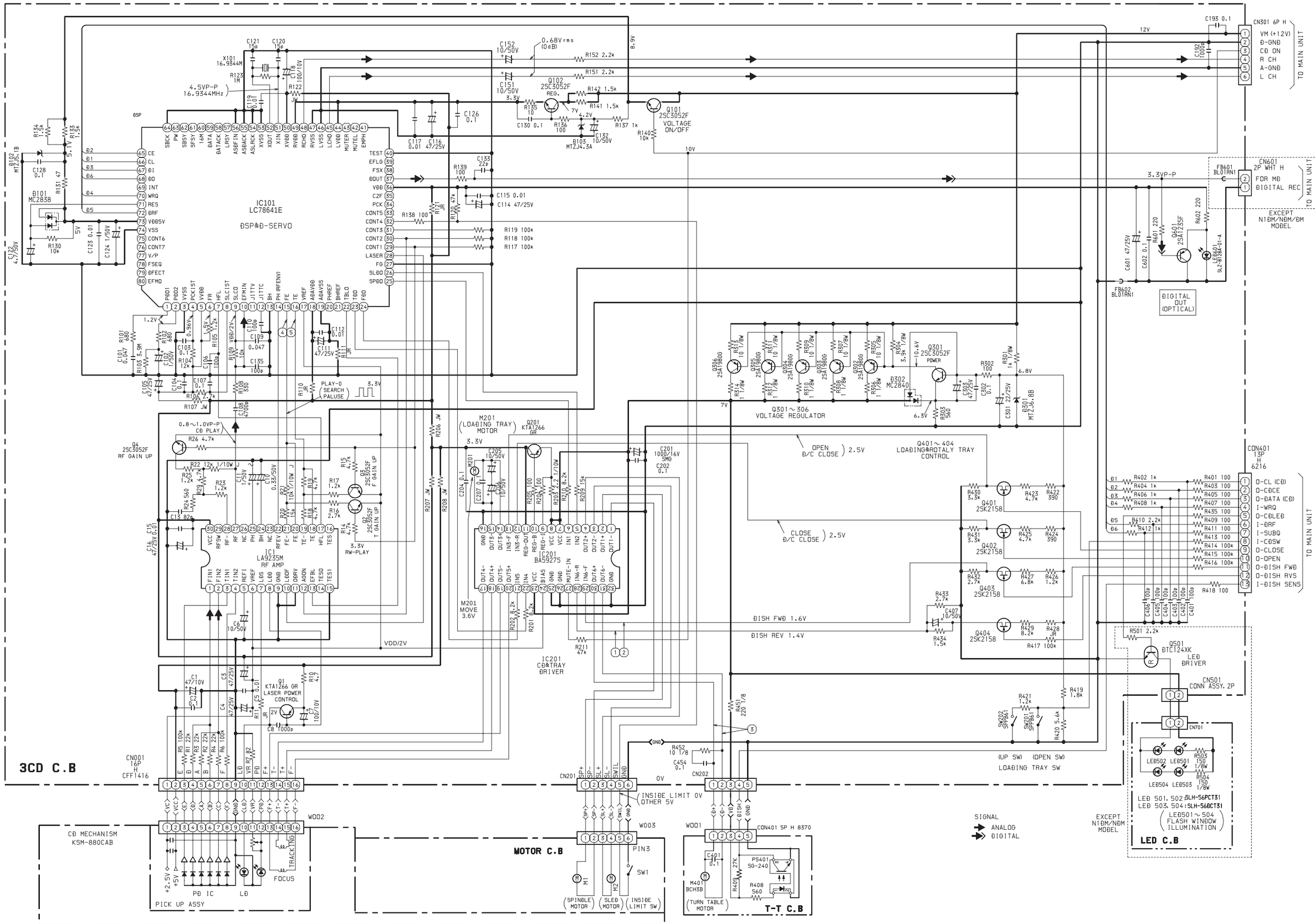


2SK2158


3CD C.B
MASTER CLOCK
X101
XOUT
XIN
R
L
RCHO
LVSS
RVSS
LCHO
Đ/A & LINE AMP
Đ102 VOLTAGE REGULATOR FOR SYSTEM CONTROL
Q102 Đ103 VOLTAGE REGULATOR
FOR Đ/A
Q101 VOLTAGE ON/OFF
3.3V
RVDD
ĐOUT
CE
CL
Đ I (ĐATA)
SUBQ
WRQ
ĐRF
RES
VĐĐ5V
SYSTEM CONTROL
SYSTEM RESET Đ101
ĐIGITAL SIGNAL PROCESSOR
ĐIGITAL SERVO CONTROL
CONT4
SLĐO
SPĐO
TDO
FĐO
LASER
CONT1
(GAIN UP/ĐOWN)
PLL
EFM
IC101
LC78641E
ĐIGITAL SIGNAL & ĐIGITAL SERVO CONTROL
PĐO1
PDO1
PCLIST
FR
SLCO
EFMIN
FE
TE
Q2 T-GAIN UP
Q3 F-GAIN UP
Q4 RF GAIN UP
Q2
Q3
Q4
Q201 VOLTAGE REGULATOR
7V
Q301~Q306 Đ302 VOLTAGE REGULATOR
Đ301 REF VOLTAGE
Q601 LEĐ601 Đ-OUT (OPTICAL)
CN301
VM
Đ-GNĐ
CĐ ON
RCH
A-GNĐ
LCH
TO MAIN UNIT
CN601
FOR MĐ ĐIGITAL REC
EXCEPT N1ĐM/NĐM/ĐM MOĐEL
CON401
CL
CE
ĐATA
WRQ
ĐRF
SUBQ
IC201
BA5927S
CĐ & TRAY ĐRIVER
IN5
IN4
IN1
IN2
REG-O
REG-B
VCC
MUTE-IN
IN3-F
IN3-R
IN6-F
IN6-R
OUT6-
OUT6+
OUT3-
OUT5-
OUT5+
OUT4+
OUT4-
OUT1+
OUT1-
OUT2+
OUT2-
OUT3+
Q401 ~ Q404 LOAĐING & ROTALY TRAY CONTROL
SW201 SW202
LOAĐING TRAY SW
M201 (LOAĐING TRAY MOTOR)
M
Q501 LEĐ ĐRIVER
CN501
LEĐ501~504
FLASH WINĐOW ILLUMINATION
LED C.B
EXCEPT N1ĐM/NĐM MOĐEL
RF-
RF
FE-
FE
TE-
TE
IC1
RF AMP
LA9235M
LĐOF
LASER ON/OFF
TIN1
FIN1
FIN2
TIN2
GND
LĐĐ
LĐS
Q1 LASER POWER CONTROL
3.3V
CN001
E
Đ
A
B
C
F
VR
PĐ
PĐIC
LASER
MONITOR PHOTO ĐIOĐE
F+
F-
T+
T-
FOCUS CIOL
TRACKING CIOL
PICK UP ASSY
CN201
SP+
SP-
SL+
SL-
SWIL
PIN3
M1 (SPINĐOL MOTOR)
M2 (SLEĐ MOTOR)
SW1 INSIĐE LIMIT SW
MOTOR C.B
CN202
Đ+
Đ-
VĐ
ĐISH
M401
TURN TABLE MOTOR
PS401 ROTALY TRAY SENSOR
CON 401
T-T C.B
CĐ MECHANISM KSM-880CAB


T-T C.B
CON 401
PS401
R409
R408
C401
(RED)
(BLK)
M401
(TURN TABLE MOTOR)
MOTOR C.B
M2
(SLED MOTOR)
M2
SW1
(INSIDE LIMIT SW)
M1
(SPINDLE MOTOR)
SW1
PIN3
TO CD C.B
CN201
M1
TO MAIN UNIT
TO MOTOR C.B PIN3
PICK UP ASSY
KSM-880CAB
TO MAIN
EXCEPT
N1DM/NDM MODEL
LED C.B
CN401
R418
(OPEN)
(UP)
SW201
SW202
M201
(LOADING TRAY MOTOR)
IC1
IC101
IC201
CN201
CN001
CN202
CN601
CN301
CN501
CN701
Q1
Q2
Q3
Q4
Q101
Q102
Q201
Q301
Q302
Q303
Q304
Q305
Q306
Q401
Q402
Q403
Q404
Q501
Q601
FB601
FB602
X101
D101
D102
D301
D302
LED501
LED502
LED503
LED504
LED601
<YEL>
<BLK>
Q601, LED601
DIGITAL OUT (OPTICAL)
TO MAIN UNIT
EXCEPT
N1DM/NDM/DM
MODEL
3CD C.B

SCHEMATIC DIAGRAM



TEST MODE

1. How to Start the CD Test Mode

While pressing the CD function key, connect the AC power plug to wall outlet.
The test mode starts up and “CD TEST” appears on the display.

2. How to Exit the CD Test Mode

Press the POWER button or disconnect the AC power plug from wall outlet.
* When any function key other than PLAY is pressed during playback, the test mode is canceled.

3. Function and Use of the CD Test Mode

NO	MODE	How to enter the mode	Display	Operation	Check item
1	Start mode		All indicators turn on	• All FL all ndicators turn on	• FL check • Microprocessor check
2	Search mode	STOP button	CD	• LD turns on all the time • Focus search continuos operation *1 • Spindle motor continuos kick	• APC circuit check • Laser current measurement • Focus search waveform check • Focus error waveform check (Ignores DRF during search mode)
3	Play mode	PLAY button	Normal	• Normal playback • Focus search is continued if failed in TOC READ.	• Each servo circuit is checked • DRF check
4	Traverse mode	PAUSE button	Normal	• Tracking servo OFF/ON Repeats OFF/ON every time the PAUSE button is pressed	• Tracking balance check
5	Sled mode	FF button	CD TEST	• Moves PU to inner circumference *2 Kicks the lens to inner circumference at the same time	• Sled circuit check • Tracking circuit check • Mechanism operation check • PU check
		RWD button	CD TEST	• Moves PU to outer circumference *2 Kicks the lens to outer circumference at the same time	
6	Spindle mode	TAPE REC button	All indicators turn on	• Pressing the button once rotates the spindle motor in the normal direction (rough speed). Pressing the button again rotates it in the reverse direction. Pressing it again stops the motor	• Spindle circuit check • Spindle motor check
7	RF AGC mode	TUNER button	AGC ON/OFF	• Repeats ON/OFF every time the TUNER button is pressed	• PU good or defective check • RF AMP circuit check

*1 ..... When the focus search keeps running for 10 minutes or longer continuously, the driver IC heats up, and the protective circuit works so that the machine may stops operating.
In this case, turn off the main power, wait for a while and restart the machine.

*2 ..... Do not keep pressing the FF or RWD button while the pickup is located at the innermost or outermost circumference because the gear can be damaged as the sled motor keeps rotating.

4. Automatic Adjustment Result Display

The automatic adjustment values of the focus and the tracking can be displayed.

4-1. Automatic Adjustment Result Display of Focus Offset Cancel/Gain

1) Enter the start mode (all indicators turn on).
2) Press the TAPE button to display “F**” and set each of the adjustment item to either ON or OFF. (Refer to the following table.)
3) Press the PLAY button to play back the CD.
4) Press the CD button.
5) The automatic adjustment value “F** **” is displayed. (Refer to the following table.)
6) Upon completion of check, press the CD button twice to return to the play mode.

Adjustment item (ON = 1, OFF = 0)			Automatic adjustment value display (Asterisk * means hexadecimal display.)			
F	OFFSET	GAIN	F	OFFSET	—	GAIN
F	0	0	F	Not displayed	Not displayed	Not displayed
F	1	1	F	**	Not displayed	**
F	1	0	F	**	Not displayed	Not displayed
F	0	1	F	Not displayed	Not displayed	**

4-2. Automatic Adjustment Result Display of Tracking Offset Cancel/Balance/Gain

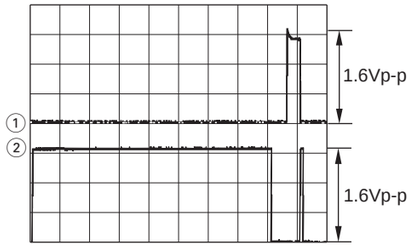
1) Enter the start mode (all indicators turn on).
2) Press the AUX button to display “T***” and set each adjustment item to either ON or OFF. (Refer to the following table.)
3) Press the PLAY button to play back the CD.
4) Press the CD button twice.
5) The automatic adjustment value “F******” is displayed. (Refer to the following table.)
6) Upon completion of check, press the CD button to return to the play mode.

Adjustment item (ON = 1, OFF = 0)				Automatic adjustment value display (Asterisk * means hexadecimal display.)			
T	OFFSET	BALANCE	GAIN	T	OFFSET	BALANCE	GAIN
T	0	0	0	T	Not displayed	Not displayed	Not displayed
T	1	1	1	T	**	**	**
T	1	1	0	T	**	**	Not displayed
T	1	0	1	T	**	Not displayed	**
T	1	0	0	T	**	Not displayed	Not displayed
T	0	1	1	T	Not displayed	**	**
T	0	1	0	T	Not displayed	**	Not displayed
T	0	0	1	T	Not displayed	Not displayed	**

WAVE FORM

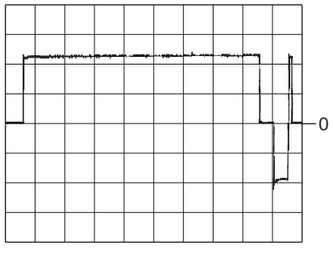
① IC201 ㉘ (IN6-R)
② IC201 ㉙ (IN6-F)

VOLT/DIV: 500mV
TIME/DIV: 200mS



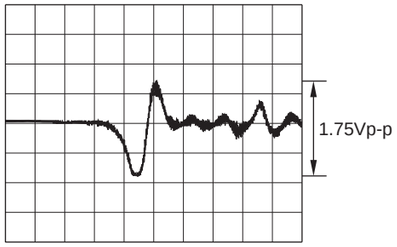
③ Between CN202 ① and ②
(② Pin: 0 Level)

VOLT/DIV: 1V
TIME/DIV: 200mS



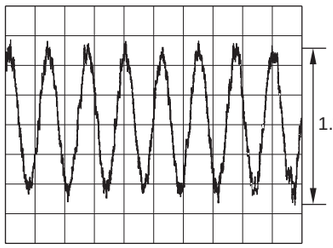
④ IC101 ⑮ (FE)

VOLT/DIV: 500mV
TIME/DIV: 2mS



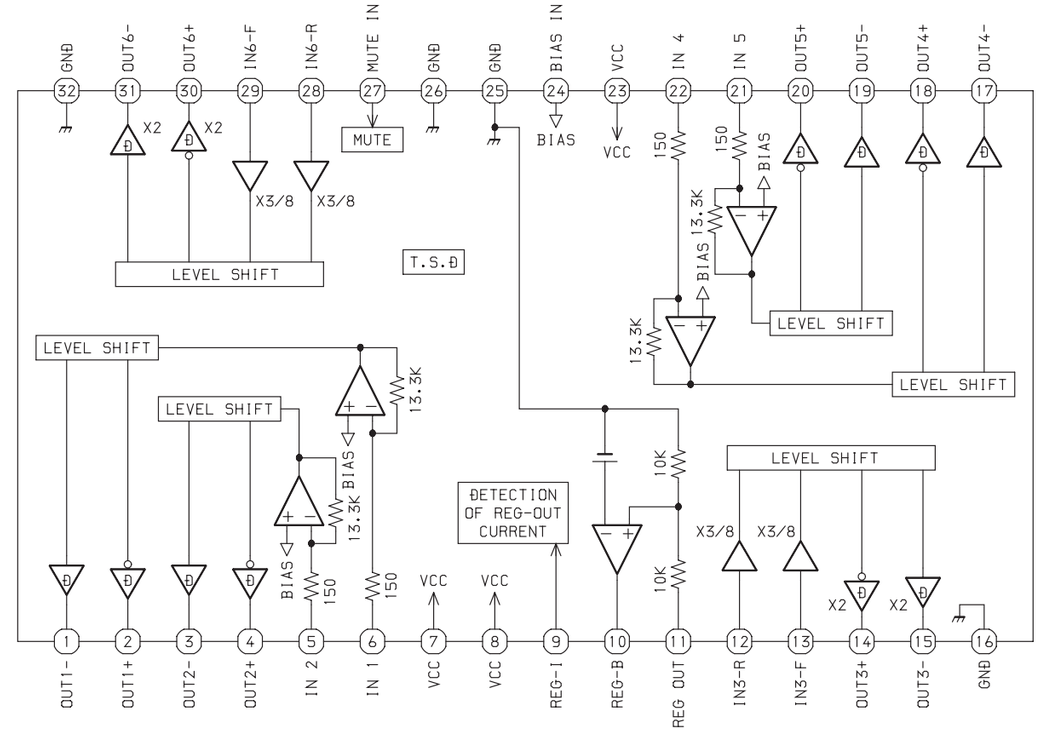
⑤ IC101 ⑯ (TE)

VOLT/DIV: 200mV
TIME/DIV: 200µS

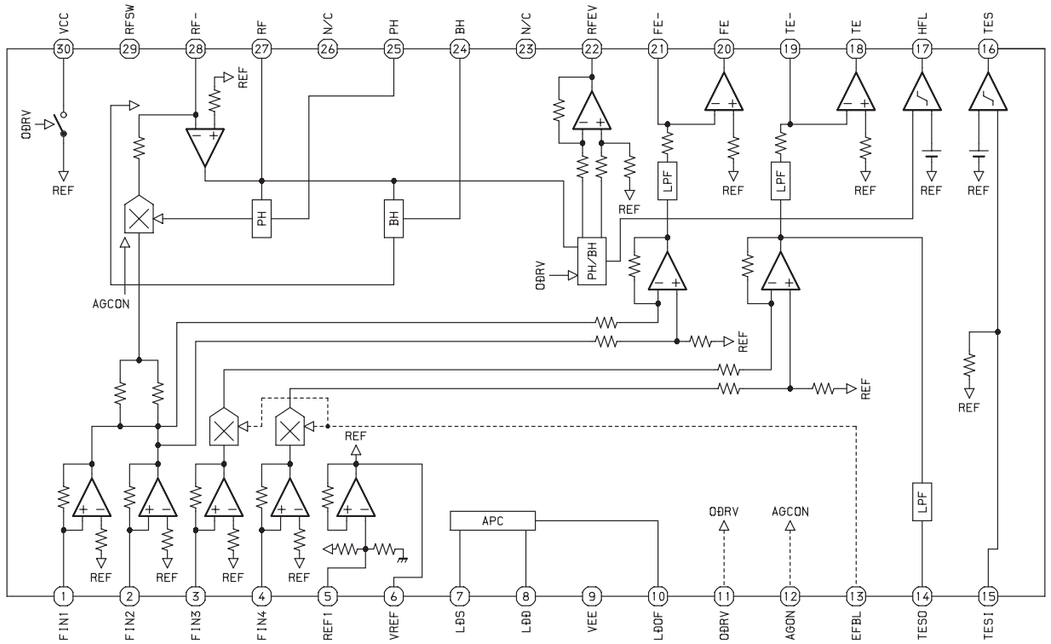


IC BLOCK DIAGRAM

IC, BA5927S



IC, LA9235M



IC DESCRIPTION

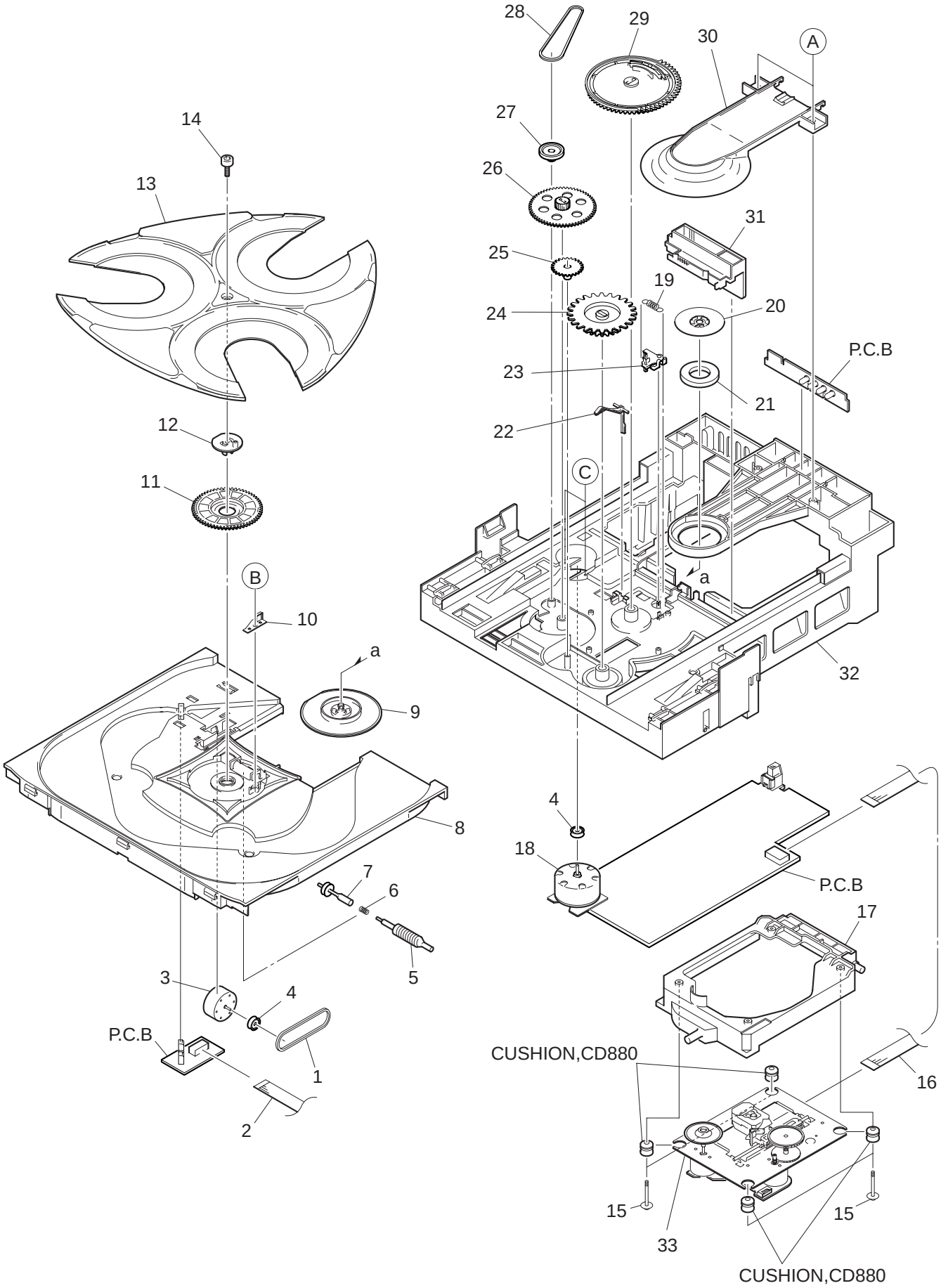
IC, LC78641E

Pin No.	Pin Name	I/O	Description
1	PDO1	O	Internal VCO control phase comparator output pin. (Pull down)
2	PDO2	O	Internal VCO control phase comparator output pin. OFF for rough servo, ON for phase servo. (Pull down)
3	VVSS	—	Internal VCO ground pin.
4	PCKIST	—	PDO output current adjustment resistor connection pin.
5	VVDD	—	Internal VCO power supply pin.
6	FR	—	VCO frequency range adjustment resistor connection pin. (Pull up)
7	HFL	I	Mirror detection signal input pin.
8	SLCIST	—	SLCO output current adjustment resistor connection pin.
9	SLCO	O	Control output.
10	EFMIN	I	EFM signal input pin.
11	JITTV	O	Jitter detection monitor pin.
12	JITTC	O	Jitter detection adjustment pin. (Pull down)
13	BH	I	BH signal input pin. (Connected to GND)
14	PH (RFENV)	I	PH signal or RFENV signal input pin.
15	FE	I	FE signal input pin.
16	TE	I	TE signal input pin.
17	VREF	I	VREF input pin.
18	ADAVDD	—	Servo A/D, D/A power supply pin.
19	ADAVSS	—	Servo A/D, D/A ground pin.
20	PHREF	O	PH reference output pin. (Not connected)
21	BHREF	O	BH reference output pin. (Not connected)
22	TBLO	O	Tracking balance output pin.
23	TDO	O	Tracking control output pin.
24	FDO	O	Focus control output pin.
25	SPDO	O	Spindle control output pin.
26	SLDO	O	Thread control output pin.
27	DVREF/FG	I/O	Output driver VREF output pin. FG signal input pin. (Connected to GND)
28	LASER	O	Laser ON/OFF control pin.
29	CONT1	I/O	General-purpose input/output pin 1. (Connected to GND)
30	CONT2	I/O	General-purpose input/output pin 2. (Connected to GND)
31	CONT3	I/O	General-purpose input/output pin 3. (Connected to GND)
32	CONT4	I/O	General-purpose input/output pin 4.
33	CONT5	I/O	General-purpose input/output pin 5. (Not connected)
34	PCK	O	EFM data playback clock monitor pin. Average 4.3218MHz when the phase is locked. (Not connected)
35	C2F	O	C2 flag output pin. (Not connected)
36	VDD	—	Digital power supply pin.
37	DOUT	O	Digital out output pin. (EIAJ format)
38	FSX	O	Output pin for the 7.35kHz synchronization signal divided from the crystal oscillator. (Not connected)

Pin No.	Pin Name	I/O	Description
39	EFLG	O	C1, C2 error correction monitor pin. (Not connected)
40	TEST	I	Test input pin. (Connected to GND)
41	EMPH	I/O	Emphasis pin. Which becomes an input pin after reset and can be controlled externally. This becomes an emphasis monitor pin under control by command. (Not connected)
42	MUTEL	O	L channel mute output pin. (Not connected)
43	MUTER	O	R channel mute output pin. (Not connected)
44	LVDD	—	L channel power supply pin.
45	LCHO	O	L channel output pin.
46	LVSS	—	L channel ground pin.
47	RVSS	—	R channel ground pin.
48	RCHO	O	R channel output pin.
49	RVDD	—	R channel power supply pin.
50	XVDD	—	Crystal oscillator power supply pin.
51	XIN	I	Connections for a 16.9344MHz crystal oscillator pin.
52	XOUT	O	
53	XVSS	—	Crystal oscillator ground pin.
54	ASLRCK	I	L/R clock input pin. (Connected to GND)
55	ASDACK	I	Bit clock input pin. (Connected to GND)
56	ASDFIN	I	L/R channel data input pin. (Connected to GND)
57	LRSY	O	L/R clock output pin. (Not connected)
58	DATACK	O	Bit clock output pin. (Not connected)
59	DATA	O	L/R channel data output pin. (Not connected)
60	16M	O	16.9344MHz output pin. (Not connected)
61	SFSY	O	Subcode frame synchronization signal output pin. This signal falls when the subcode is in the standby state. (Not connected)
62	SBSY	O	Subcode clock synchronization signal output pin. (Not connected)
63	PW	O	Subcode P, Q, R, S, T, U and W output pin. (Not connected)
64	SBCK	I	Subcode readout clock input pin. (Connected to GND)
65	CE	I	Chip enable signal input pin.
66	CL	I	Data transfer clock input pin.
67	DI	I	Data input pin.
68	DO	O	Data output pin.
69	INT	O	Interruption signal output pin. (Not connected)
70	WRQ	O	Interruption signal output pin.
71	RES	I	Reset input pin. This pin must be set low briefly after power is first applied.
72	DRF	O	Focus ON detect pin.
73	VDD5V	—	Microprocessor interface power supply.
74	VSS	—	Digital ground pin.
75	CONT6	I/O	General-purpose input/output pin 6.
76	CONT7	I/O	General-purpose input/output pin 7.
77	V/P	O	Rough servo/phase control automatic switching monitor output pin. “H” for rough servo and “L” for phase servo. (Not connected)

Pin No.	Pin Name	I/O	Description
78	FSEQ	O	Synchronization signal detection output pin. Outputs a high level when the synchronization signal detected from the EFM signal and the internally generated synchronization signal agree. (Not connected)
79	DEFECT	I/O	Defect pin. Which becomes an input pin after reset and can be controlled externally. This becomes the defect monitor pin under control by command. (Not connected)
80	EFMO	O	EFM signal output pin. (Not connected)

MECHANICAL EXPLODED VIEW 1/1



MECHANICAL PARTS LIST 1/1

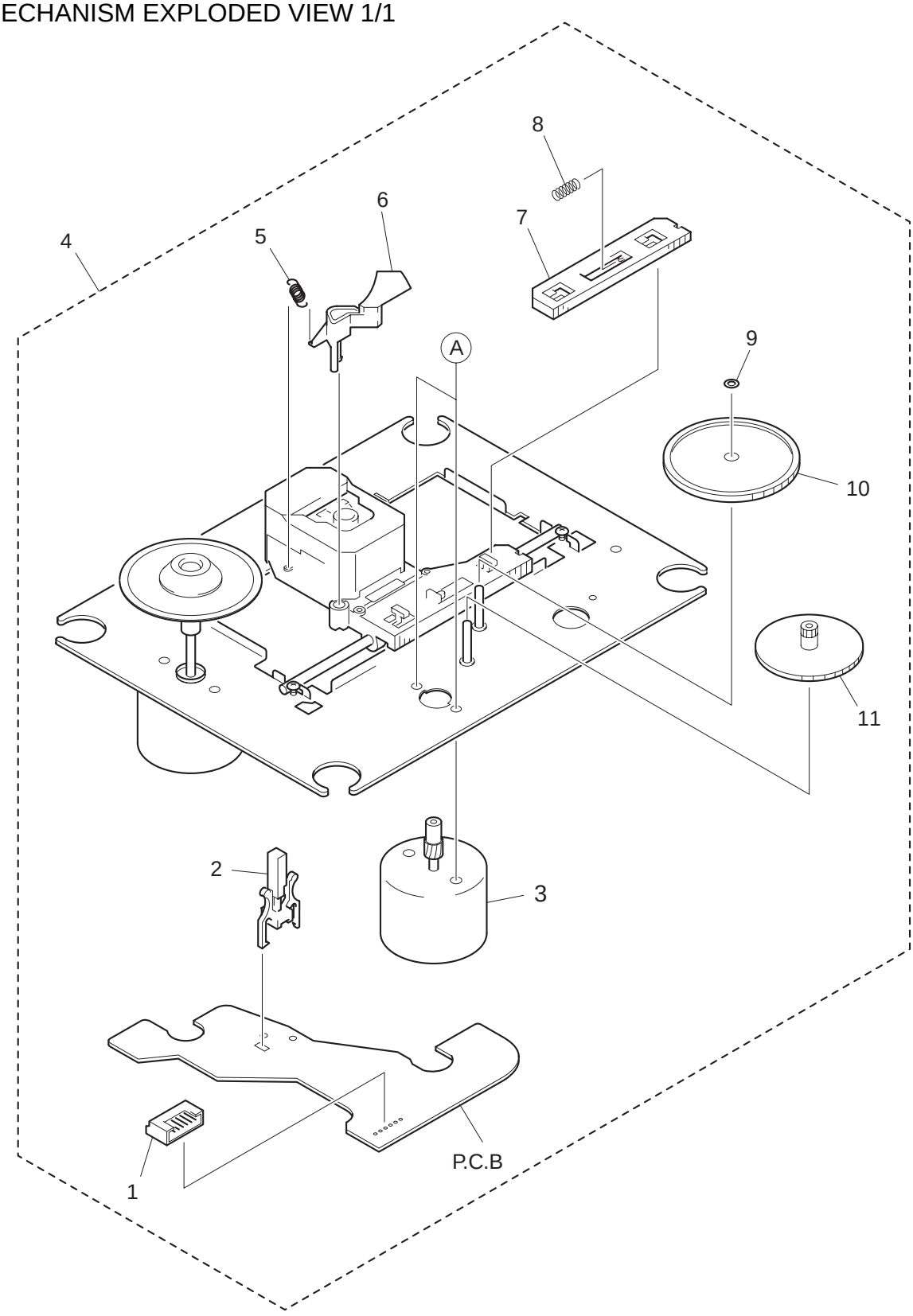
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	84-ZG1-225-010		BELT,SQ1.0-63.3
2	84-ZG1-673-010		F-CABLE,5P 1.25 210MM BLACK N <EXCEPT ZD8RN1DM,ZD8RNDM>
2	84-ZG1-672-010		F-CABLE,5P 1.25 210MM WHITE N <ZD8RN1DM,ZD8RNDM>
3	87-045-364-010		MOTOR(BCH3B14)
4	84-ZG1-267-010		PULLEY,LOAD MO 8 <EXCEPT YKZD8RDF,ZD8RD>
4	81-ZG1-212-010		PULLY,LOAD MO<YKZD8RDF,ZD8RD>
5	84-ZG1-238-010		GEAR,WORM N
6	84-ZG1-248-010		SPR-C,WORM
7	84-ZG1-239-210		PULLY,WORM N
8	84-ZG1-008-210		TRAY,NO3<ZD8RD>
8	8A-ZG1-001-010		TRAY,NO3 BLU<EXCEPT ZD8RD>
9	8A-ZG1-210-010		HLDR,MAGNET 23<YKZD8RDF>
9	84-ZG1-243-210		HLDR,MAGNET N(J) <YZD8RDJM,ZD8RMDJM,YZD8RMDJM>
9	84-ZG1-289-010		HLDR,MAGNET NAT<ZD8RNDM>
9	81-ZG1-277-310		HLDR,MAGNET N <ZD8RN1DM,ZD8RDM,YZD8RDM,ZD8RD>
10	84-ZG1-259-010		SPR-P,WORM
11	84-ZG1-221-010		GEAR,MAIN TT<YKZD8RDF>
11	84-ZG1-269-010		GEAR,MAIN TT 4<EXCEPT YKZD8RDF>
12	84-ZG1-224-010		LEVER,TT<EXCEPT ZD8RNDM>
12	84-ZG1-288-010		LEVER,TT NAT<ZD8RNDM>
13	8A-ZG1-002-010		TURN TABLE,NO1 BLU<EXCEPT ZD8RD>
13	84-ZG1-005-210		TURNTABLE,NO1(*)<ZD8RD>
14	81-ZG1-239-010		S-SCREW,TT
15	8A-ZG1-201-010		S-SCREW,MECH 880
16	85-NFT-611-110		FF-CABLE 16P-1.0
17	84-ZG1-299-210		HLDR,MECHA NO3<EXCEPT ZD8RNDM>
17	8A-ZG1-203-010		HLDR,MECHA NO3 NAT<ZD8RNDM>
18	87-045-305-010		MOTOR, RF-500TB DC-5V (2MA)
19	84-ZG1-211-010		SPR-E CAM S
20	84-ZG1-285-010		PLATE,MAGNET BLK<ZD8RN1DM>
20	81-ZG1-255-110		PLATE,MAGNET MK2<EXCEPT ZD8RN1DM>
21	83-ZG3-604-010		RING,MAG 2
22	83-ZG3-213-010		LVR,SW
23	84-ZG1-208-210		LEVER,CAM<YKZD8RDF>
23	84-ZG1-266-010		LEVER,CAN 8<EXCEPT YKZD8RDF>
24	84-ZG1-205-210		GEAR,TRAY (*)
25	81-ZG1-291-110		GEAR,TRAY RELAY NO3
26	84-ZG1-206-110		GEAR,RELAY<YKZD8RDF>
26	84-ZG1-274-010		GEAR,RELAY 8<EXCEPT YKZD8RDF>
27	84-ZG1-207-010		PULLEY,RELAY
28	84-ZG1-209-010		BELT,SQ1.8-117.7
29	84-ZG1-203-410		GEAR,MAIN CAM<ZD8RNDM>
29	84-ZG1-215-410		GEAR,MAIN CAM BLU<EXCEPT ZD8RNDM>
30	84-ZG1-011-010		REFLECTOR,CD <EXCEPT ZD8RN1DM,ZD8RNDM>
31	84-ZG1-216-310		SLIDE,MECHA CAM YEL <EXCEPT ZD8RNDM>
31	84-ZG1-204-310		SLIDER,MECHA CAM<ZD8RNDM>
32	84-ZG1-286-010		CHAS,MECHA NAT<ZD8RNDM>
32	84-ZG1-201-410		CHAS,MECHA<EXCEPT ZD8RNDM>
33	M8-ZZK-C90-070		KSM-880CAB
A	87-067-703-010		TAPPING SCREW, BVT2+3-10 <EXCEPT ZD8RN1DM,ZD8RNDM>
B	87-067-981-010		BVT2+3-6 BLK
C	87-251-070-410		U+2.6-3

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

CD MECHANISM EXPLODED VIEW 1/1



CD MECHANISM PARTS LIST 1/1

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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	91-564-722-110		CONN,PIN 6P
2	91-572-085-110		LEAF SWITCH
3	9X-264-655-010		SL MOTORR ASSY
4	M8-ZZK-C90-070		KSM-880CAB
5	92-647-416-020		SPRING EXTENSION
6	92-647-595-020		SHUTTER B
7	92-647-732-010		NS SLIDE RACK
8	92-647-742-010		SPRING COMPRESSION
9	93-321-813-110		POLI WASHER
10	92-647-407-010		GEAR A
11	92-647-408-020		GEAR B
A	93-713-786-510		SCREW,+P2-3

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL

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